

May 6, 2008

Mr. Brian Rakvica  
Bureau of Corrective Actions  
Nevada Department of Environmental Protection  
2030 East Flamingo Road, Suite 230  
Las Vegas, Nevada 89119

**Re: Progress Report – First Quarter of 2008  
Soil Vapor Extraction Remedial Action  
Montrose Chemical Corporation, Henderson, Nevada**

Dear Mr. Rakvica:

On behalf of Montrose Chemical Corporation (Montrose), Earth Tech, Inc. (Earth Tech) submits this First Quarter 2008 Progress Report for the soil vapor extraction (SVE) remedial action at the above-referenced Henderson Site (Figures 1 and 2). SVE operations continued throughout the first quarter of 2008 with no significant interruptions. During this period, the SVE system operated for 1,790 hours (Table 1 and Figure 5) and removed approximately 10,785 pounds of vapor-phase total non-methane organic compounds (TNMOC) contaminants (Tables 3 and 4).

The format and calculations used in this progress report are consistent with: (1) the approach previously established with Nevada Department of Environmental Protection (NDEP) and reported in *Progress Report – First Quarter of 2007*, May 9, 2007; (2) NDEP comment letter dated August 14, 2006; and (3) the *Revised SVE Data Evaluation Work Plan*, January 17, 2007. If you have any questions regarding this progress report, please contact me at (562) 951-2212 or Mr. Paul Sundberg at (209) 474-3617.

Sincerely,

**EARTH TECH, INC.**



Brian Dean  
Senior Project Manager

cc: Dr. Marysia Skorska – NDEP, Las Vegas, NV (hard copy and electronic copy)  
Mr. Joe Kelly – Montrose Chemical, Bainbridge Island, WA  
Mr. Joel Mack – Latham & Watkins, San Diego, CA  
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Mr. Paul Sundberg – Stockton, CA (electronic copy)  
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Attachments:

**Figures**

- Figure 1 – Site Location Map
- Figure 2 – Site Layout
- Figure 3 – SVE Treatment System Configuration
- Figure 4 – As-Built Piping and Instrumentation Diagram of SVE System
- Figure 5 – SVE System Run Time
- Figure 6 – Average Vapor Flow Rate vs. Time
- Figure 7 – Soil Vapor Inlet Contaminant Concentrations vs. Time
- Figure 8 – Soil Vapor Contaminant Mass Removed vs. Time
- Figure 9 – Cumulative Soil Vapor Contaminant Mass Removed vs. Time
- Figure 10 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-1
- Figure 11 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-2
- Figure 12 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-3
- Figure 13 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-4
- Figure 14 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-4S
- Figure 15 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-5
- Figure 16 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-6
- Figure 17 – Soil Vapor Contaminant Concentrations vs. Time for SVE Well VEW-7
- Figure 18 – Vapor Extraction Well Flow Rates vs. Time
- Figure 19 – TNMOC as Hexane Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 20 – Benzene Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 21 – Carbon Tetrachloride Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 22 – Chlorobenzene Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 23 – Chloroform Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 24 – 1,2-Dichlorobenzene Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 24 – 1,3-Dichlorobenzene Concentrations for SVE Wells VEW-1 through VEW-7
- Figure 26 – 1,4-Dichlorobenzene Concentrations for SVE Wells VEW-1 through VEW-7

**Tables**

- Table 1 – SVE Operations Summary – SVE Remedial Action - First Quarter of 2008
- Table 2A – Soil Vapor Analytical Results – SVE Remedial Action – First Quarter of 2008
- Table 2B – Historical Soil Vapor Analytical Results for Vapor Extraction Wells – SVE Remedial Action
- Table 3 – Estimated Mass Removed Summary –SVE Remedial Action - First Quarter of 2008
- Table 4 – Historical Estimated Mass Removed Summary – SVE Remedial Action

**Appendices**

- Appendix A – Detailed Records of Run Time and Other Field Data for the First Quarter of 2008  
(On CD)
- Appendix B – Laboratory Reports for January, February, and March 2008 (On CD)
- Appendix C –Monthly Mass Removal Calculations for the First Quarter of 2008; Soil Vapor Flow Rate Calculations for Vapor Extraction Wells for the First Quarter of 2008

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**Certified Environmental Manager (CEM) Statement**

This document is a progress report for the soil vapor extraction (SVE) remedial action conducted during the first quarter of 2008 at the former Montrose Chemical Corporation site in Henderson, Nevada.

For the services provided and described in this document, the following language is from NAC 459.

*I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances.*

EARTH TECH, INC.



Brian Dean, C.E.M.  
Nevada C.E.M. 2077 (Exp 03/01/09)

Date Signed: May 6, 2008



## **Introduction**

This *First Quarter of 2008 Progress Report* is for the soil vapor extraction (SVE) remedial action at the Montrose Chemical Corporation (Montrose) Henderson Site (Figures 1 and 2). The purpose of the SVE remedial action is to remove volatile chemicals from permeable vadose zone soils beneath the Former Montrose Plant Site. Prior soil investigations indicated the presence of elevated volatile and semi-volatile organic compounds (VOCs and SVOCs) within these soils. An SVE pilot test conducted in August 2003 demonstrated the feasibility of the technology to remove these chemicals from the permeable vadose zone soils.

Although environmental conditions investigations were not yet complete and a remedial alternatives study had not yet been performed for the Henderson Site, an interim remedial action was initiated in 2004 with the intent of removing a substantial portion of these chemicals from the subsurface soils. An *SVE Work Plan* for this interim remedial action was prepared and submitted to the Nevada Department of Environmental Protection (NDEP) on April 1, 2004. Following NDEP review of the work plan, construction of the SVE system began in August 2004 and was completed in September 2004. The system configuration is illustrated in Figure 3.

The SVE system was initially started up on September 7, 2004. Limited and intermittent operation of the SVE system continued through the first quarter of 2005 as part of the startup and testing activities. Long-term SVE operations were initiated on April 7, 2005, and continued through the fourth quarter of 2007. Through the fourth quarter of 2007, the SVE system has operated for a total of 14,356 hours and removed an estimated 95,176 pounds (Table 4) of vapor-phase contaminants as total non-methane organic compounds (TNMOC).

## **SVE System Run Time during First Quarter of 2008**

The run time of the SVE system was determined from the electronic data recorded by the programmable logic controller (PLC). The electronic SVE system data were logged once every 10 minutes, and therefore the run time determined in this manner is accurate to 10 minutes. Detailed records of the SVE system run time are provided in Tables A-2 through A-4 in Appendix A and are summarized in Table 1 and tabulated below:

<b>Month / Year</b>	<b>Run Time (Hours)</b>	<b>Percent of Total Available Run Time</b>
		<b>(%)</b>
January 2008	657	88
February 2008	512	74
March 2008	621	83
<b>Total</b>	<b>1,790</b>	<b>82</b>

The SVE system ran for a total of 1,790 hours during the first quarter of 2008. The SVE system run time is shown graphically by month in Figure 5. The SVE system operated throughout the first quarter of 2008 without any significant interruptions.

The standard operating procedure for the SVE system is to operate until elevated soil vapor concentrations are observed passing through the second carbon vessel in series, indicating that the treatment capacity of the carbon in the two lead vessels has been spent. Vapor contaminant concentrations are measured at Sample Valves SV-05 through SV-09 approximately three times a week

using a handheld MiniRAE 2000 photoionization detector (PID), as illustrated in Figure 4. The field measurements taken using the handheld PID are the basis for determining contaminant saturation of the two lead vessels. Once the two lead vessels are saturated, the SVE system is turned off pending replacement of the spent carbon. Following carbon replacement, the configuration of the carbon vessels is changed and routine SVE operations are resumed (Figure 3). During the first quarter of 2008, routine carbon change-outs were conducted on the following dates:

- January 8, 2008
- January 18, 2008
- January 30, 2008
- February 12, 2008
- February 26, 2008
- March 5, 2008
- March 14, 2008
- March 25 2008

The saturation time for the two lead vessels was between 5 and 12 days during the first quarter of 2008. SVE operations during the first quarter of 2008 are summarized in Table 1.

### **Soil Vapor Flow Rate**

The SVE flow rate is determined from the data recorded by the PLC. The undiluted inlet flow from the well field is measured using a resistance temperature detector (RTD)-type flow sensor (Fluid Components, Inc., Model ST98). Information regarding this flow sensor was submitted to NDEP on April 8, 2005. Because the flow sensor is calibrated in the factory using National Institute of Standards and Technology (NIST)-certified bench-scale equipment, it provides flow in units of standard cubic feet per minute (scfm) and is accurate to within 1 percent of the reading. An as-built SVE system process and instrumentation diagram is provided as Figure 4. The RTD flow indicator sensor is identified as FI-101. The temperature and pressure data of the influent soil vapor were collected at Temperature Indicator TI-101 and Pressure Indicator PI-101, respectively (Figure 4) and is provided in Appendix A.

To calculate the average flow rates for the month, the flow rates were logged at FI-101 every 10 minutes were averaged over the run time intervals as shown in Tables A-2 through A-4 in Appendix A. The time-weighted average soil vapor flow rates during the first quarter of 2008 are shown below, in Table 1, and in Figure 6.

<b>Month / Year</b>	<b>Average Flow Rate<sup>1</sup> (scfm)</b>
January 2008	407
February 2008	418
March 2008	396
<b>First Quarter 2008</b>	<b>407</b>

<sup>1</sup> Time weighted average

Although the eight SVE wells are capable of flowing more than 700 scfm at full vacuum, the SVE flow rate from the wells was intentionally adjusted for purposes of managing the VOC mass removal and carbon spending rate (see Tables A-2 through A-4 and Appendix C). SVE flow rate adjustments were

made by isolating low concentration wells from vacuum and by introducing make-up dilution air (ambient air) to control the vacuum applied to the wells. Only five of the SVE wells (VEW-2, 3, 4, 5, and 6) were operated continuously throughout the first quarter of 2008. Well VEW-1 was inactive throughout the first quarter of 2008 due to low VOC concentrations in soil vapor. Similarly, wells VEW-4S and VEW-7 were closed on February 14, 2008 due to low observed VOC concentrations in soil vapor and to increase the VOC mass loading rate to the carbon. The SVE flow rate and VOC mass loading rate were adjusted to allow approximately 5 to 12 days to fully saturate the carbon in the two lead adsorber vessels. During the first quarter of 2008, the average inlet flow rate ranged between 323 and 523 scfm as shown in Table 1.

### Chemical Concentrations in Soil Vapor

Inlet soil vapor samples were collected on a monthly basis and analyzed for the following constituents:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15<sup>1</sup>, standard broad suite plus a specific tentatively identified compound (TIC), cyclohexanone, and the top five TICs, and
- Total non-methane organic carbon (TNMOC) and fixed gases by USEPA Methods 25C and 3C.

As indicated in the *Revised Progress Report for the Second Quarter 2005* (Earth Tech, March 2006), the analytical method for VOCs was changed from USEPA Method TO-14 to TO-15 because the broad suite analyte list for this method includes certain chemicals of interest related to carbon overheating conditions including acetone and some ketones. For the same reason, cyclohexanone was added as a specific TIC to the VOC analysis because this chemical (a member of the ketone chemical class) is known to have adverse temperature reactions with activated carbon. Also, the top five TICs were requested by Montrose in addition to the broad suite chemicals and the specific TIC (cyclohexanone).

Analysis of inlet soil vapor samples for SVOCs by USEPA TO-13 was discontinued during the first quarter of 2007. SVOCs uniquely identified by that method represented less than 0.5 percent of the estimated chemical mass removed. Consequently, Montrose requested to discontinue the SVOC vapor analysis in correspondence dated January 30, 2007, which was subsequently approved by NDEP in correspondence dated February 1, 2007.

Routine monthly inlet and outlet soil vapor samples were collected on January 23, February 18 and 29, and March 19, 2008. Two inlet soil vapor samples were collected in February 2008 due to fluctuating concentrations. On February 18, an inlet concentration of 1,320 parts per million volume (ppmv) was measured using a handheld PID calibrated to isobutylene. However, inlet concentrations increased to 4,250 ppmv by February 29. The aforementioned field PID concentrations are uncorrected for contaminant type and are higher than the true concentrations (correction factor is approximately 0.44). To verify the concentration increase and support VOC mass removal estimates, a second monthly inlet soil vapor sample was collected on February 29. Progress soil vapor samples from each of the eight individual SVE wells (VEW-1 through VEW-7 and VEW-4S) were collected on March 19, 2008. Inlet (SV-05) and outlet (SV-10) sampling locations are identified in Figure 4. All VOC and TNMOC samples were collected in pre-evacuated Summa® canisters. The first quarter 2008 vapor samples were analyzed by Air Technology Laboratories in City of Industry, California. The results are shown in Tables 2A and

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<sup>1</sup> TO = Toxic Organics

2B, and copies of laboratory reports are provided in Appendix B. Individual inlet vapor contaminant<sup>2</sup> concentrations with a TNMOC comparison are graphed versus time in Figure 7.

No TICs were detected in the January, February, or March 2008 inlet vapor samples. Only broad-suite VOC vapor contaminants were detected during the first quarter of 2008. No ketones, cyclohexanone, or other chemicals known to have high heats of adsorption/reaction (with carbon) were detected in the inlet vapor samples. No vinyl chloride, methylene chloride, or other chemicals known to have low carbon adsorption efficiencies were detected in the inlet vapor samples. All vapor contaminants detected during the first quarter of 2008 can be effectively treated using granular activated carbon.

#### Inlet Contaminant Concentrations Using Field PID

Soil vapors were extracted from Sample Valve SV-05 (Figure 4), and the concentrations of vapor-phase contaminants were measured in the field using a handheld PID calibrated to isobutylene. During the first quarter of 2008, inlet soil vapor contaminant concentrations varied from a low of 368 ppmv on February 15<sup>2</sup> to a peak of 4,318 ppmv on March 3. The average inlet vapor contaminant concentrations in January, February, and March 2008 were between 2,119 and 3,222 ppmv as shown in Table A-1 of Appendix A. The aforementioned field PID concentrations are uncorrected for contaminant type and are higher than the true concentrations (correction factor is approximately 0.44). Inlet field PID concentrations, soil vapor temperatures, and pressures (vacuum), measured at TI-101 and PI-101 are provided in Appendix A.

#### Outlet Contaminant Concentrations – Laboratory Results

Outlet vapor samples, collected on January 23, February 18, and March 19, 2008, were analyzed for VOCs by USEPA Method TO-15 and for TNMOC by USEPA Method 25C. The results are shown in Table 2A. All outlet chemical concentrations are significantly below Clark County Air District permit limits. Removal efficiency greater than 99.97 percent was achieved for all chemicals detected in the inlet vapor samples. No TICs were detected during USEPA Method TO-15 analysis of the outlet vapor samples collected during the first quarter of 2008.

#### **Waste Management**

Spent Carbon – Approximately 80,000 pounds of spent carbon was generated during the first quarter of 2008. Two loads of spent carbon generated during the fourth quarter of 2007 and first quarter of 2008, totaling 93,580 pounds, were transported for off-site disposal (thermal treatment and landfilling) to the US Ecology Class I facility in Beatty, Nevada.

Moisture Condensate – During the winter months, a total of 26 drums or approximately 1,430 gallons of moisture condensate were generated during the first quarter of 2008. The majority of those drums generated in 2008 (23 of the 26) plus three drums generated in December 2007 were transported for off-site treatment (incineration) to the Clean Harbors facility in Aragonite, Utah during the first quarter of 2008. The remaining three drums, which were generated at the end of March 2008, will be transported for off-site treatment in May 2008. The rate of moisture condensate generation decreased during the quarter as a result of increasing soil vapor temperatures.

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<sup>2</sup> Inlet concentrations on February 14 and 15 were erroneously low due to moisture condensate fouling of the vapor sample pump and tubing. The fouling was cleared and the sample pump replaced by February 18.

### Non-Routine Activities and Carbon Temperatures

All SVE operation and maintenance activities were routine during the first quarter of 2008. No unexpected conditions or problems occurred during the quarter. Contaminant concentrations at the stack were zero or close to zero throughout the quarter and were significantly below Clark County Department of Air Quality Management permit limits. Carbon temperatures were within normal operating ranges throughout the first quarter of 2008. No overheating of the carbon occurred at any time, either during vapor treatment or during replacement of the spent carbon.

### Mass Removal of Soil Vapor Contaminants

Soil vapor contaminant mass removal was estimated using the methods submitted to NDEP in an email dated February 14, 2006 (Mass Removal Calculation – see Appendix C). NDEP verbally indicated concurrence with this methodology on that same day. Mass removal estimates for soil vapor contaminant constituents are presented in Table 3, with detailed calculations provided in Appendix C. Graphs of mass removed and cumulative mass removed versus time are provided in Figures 8 and 9, respectively. The two inlet soil vapor sample results for February 2008 were averaged for purposes of estimating mass removal, as shown in Table 2A.

The mass of VOCs and SVOCs removed during the first quarter of 2008 is quantified using USEPA Method TO-15. Mass and cumulative mass removed during the first quarter of 2008 are additionally calculated for TNMOC by USEPA Method 25C. The estimated mass removed for all vapor contaminants during the first quarter of 2008 is summarized in Table 3 and as follows:

Vapor Contaminant	Total Mass Removed (pounds)
<b>VOCs by USEPA TO-15</b>	
Benzene	2,078
Carbon Tetrachloride	676
Chlorobenzene	11,091
Chloroform	976
<b>Subtotal for VOCs by TO-15</b>	<b>14,821</b>
<b>SVOCs by USEPA TO-15</b>	
1,2-Dichlorobenzene	712
1,3-Dichlorobenzene	0
1,4-Dichlorobenzene	1,463
<b>Subtotal for SVOCs by TO-15</b>	<b>2,175</b>
<b>VOCs/SVOCs by TO-15</b>	<b>16,996</b>
<b>TNMOC as Hexane by USEPA 25C</b>	<b>10,785</b>

### Quarterly Data from Individual SVE Wells and Vapor Monitoring Points

Quarterly data was collected individually from all SVE wells and vapor monitoring points on March 19, 2008, and are provided in Table C-4 in Appendix C. The vapor flow rate, temperature, vacuum, and concentration were measured at the individual SVE wells. The vacuum and vapor concentration were measured at the monitoring points. The vapor concentrations were measured using the handheld field

PID on March 19, 2008. Field PID readings from all eight SVE wells ranged from 150 ppmv (VEW-4S) to 4,963 ppmv (VEW-6). These field concentrations are uncorrected for contaminant type and are higher than the true concentrations (correction factor is approximately 0.44).

Quarterly vapor samples were collected individually from all eight SVE wells on March 19, 2008. The vapor samples were collected in Summa canisters and analyzed for VOCs by USEPA Method TO-15 and for TNMOC and fixed gases by USEPA Methods 25C.

Analytical results for the SVE well vapor samples are provided in Table 2B and compared against prior quarterly results for all eight SVE wells in Figures 10 through 17. Concentration trends between the eight SVE wells are plotted for each contaminant type in Figures 19 through 26 as requested by NDEP in their February 28, 2007 comment letter (Comment No. 3), with the SVE wells arranged in order from north (VEW-1 and 7) to south (VEW-5). With the exception of the three dichlorobenzene isomers, these concentration graphs indicate a general increasing trend from north to south (i.e., the highest concentrations occur at VEW-5 and VEW-6). Copies of the analytical reports for the individual well samples are provided in Appendix B.

The percentage reduction or increase in vapor contaminant concentrations is provided below as requested by NDEP in their comment letter dated August 14, 2006. A reduction in concentration over the last quarter is shown with a “-” prefix. An increase in the contaminant concentration over the last quarter is shown with a “+” prefix. The average percent change over the last quarter for the six vapor contaminants listed is also provided in the table below.

Vapor Contaminant	Percent Change Since Fourth Quarter of 2007							
	VEW-1	VEW-2	VEW-3	VEW-4	VEW-4S	VEW-5	VEW-6	VEW-7
Benzene	-75%	-45%	-88%	-93%	-99%	-88%	-15%	-88%
Carbon Tetrachloride	NA	-100%	-88%	-93%	-98%	-88%	-33%	-83%
Chlorobenzene	-61%	-32%	-65%	-84%	-98%	-82%	+173%	-75%
Chloroform	-100%	-35%	-84%	-93%	-88%	-90%	-29%	-85%
1,2-Dichlorobenzene	-59%	-51%	-52%	+100 <sup>1</sup> %	-95%	-76%	+100 <sup>1</sup> %	-45%
1,4-Dichlorobenzene	-61%	-33%	-56%	-54%	-97%	-73%	+488 <sup>2</sup> %	-54%
<b>Average</b>	<b>-71%</b>	<b>-49%</b>	<b>-72%</b>	<b>-53%</b>	<b>-96%</b>	<b>-83%</b>	<b>+114%</b>	<b>-72%</b>

Notes:

+ = Increase in concentration from fourth quarter 2007 to first quarter 2008

- = Decrease in concentration from fourth quarter 2007 to first quarter 2008

<sup>1</sup> = Vapor contaminant was not detected in fourth quarter 2007, but detected in first quarter 2008 at a low concentration

NA = not applicable; vapor contaminant was not detected during either quarter

Arithmetic average is shown (not weighted on concentration)

During the first quarter of 2008, VOC contaminant concentrations decreased at all SVE wells with the exception of VEW-6. At all wells other than VEW-6, benzene, carbon tetrachloride, chlorobenzene, and chloroform concentrations decreased between 32% and 100% during the first quarter of 2008. VOC concentrations at VEW-4S decreased the most, by up to 99%, although significant reductions in VOC concentrations were also observed at VEW-3, 4, 5, and 7. Conversely, the chlorobenzene concentration at VEW-6 increased by 173% during the first quarter of 2008, although modest concentration reductions between 15% and 33% were observed at this well for benzene, carbon tetrachloride, and chloroform.

SVOC contaminant concentrations (1,2- and 1,4-dichlorobenzene) decreased at all SVE wells during the first quarter of 2008, with the exception of VEW-4 and VEW-6. At all wells other than VEW-4 and VEW-6, SVOC contaminant concentration decreased between 33% and 97% during the first quarter of

2008. Conversely, SVOC concentrations increased between 100% and 488% at VEW-6, and 1,2-dichlorobenzene concentrations increased by 100% at VEW-4.

The percent reduction in soil vapor contaminant concentrations from baseline conditions in September 2004 to the first quarter of 2008 are summarized as follows for the original four SVE wells (VEW-1 through VEW-4):

Vapor Contaminant	Percent Reduction in Concentration Since Baseline Conditions			
	VEW-1	VEW-2	VEW-3	VEW-4
Benzene	> 99%	99%	99%	> 99%
Carbon Tetrachloride	100%	100%	> 99%	> 99%
Chlorobenzene	94%	97%	85%	95%
Chloroform	100%	99%	99%	> 99%

Note:

Only the original four SVE wells are shown in this summary because wells VEW-4S, 5, 6, and 7 were recently installed and have only operated for one quarter.

Vapor Well Flow Rates: Soil vapor flow rates were measured at each of the extraction wells on March 19, 2008, using a TSI velocity meter. The vapor flow rates from each well are provided in Table C-4 of Appendix C. Soil vapor flow rates from the five active wells ranged from 45 scfm at VEW-4 to 146 scfm at VEW-6. On March 19, 2008, each of the five active wells contributed between 11% and 36% of the total soil vapor flow. Wells VEW-1, 4S, and 7 were inactive in March 2008, and therefore, no flow is reported for these wells. As requested by NDEP in their comment letter dated August 14, 2006, the vapor flow rates for each well are graphed as a percentage of the total flow on the day of testing versus time in Figure 18.

Vapor Monitoring Points: A handheld vacuum gauge was used at each monitoring point to collect vacuum influence data, and the field PID (MiniRAE 2000) was used to monitor static wellhead concentrations. Static wellhead concentrations at vapor monitoring points VMP-1 through VMP-3 were measured on March 19, 2008. There were minimal differences between conditions in the shallow monitoring points (VMP-1S through VMP-3S) and those present in the deep monitoring points (VMP-1D through VMP-3D). Field PID readings in the shallow monitoring points ranged from 11 to 23 ppmv, while the field PID readings in the deep monitoring points ranged from 14 to 32 ppmv. These field concentrations are uncorrected for contaminant type and are higher than the true concentrations (correction factor is approximately 0.44). The vacuum influence at VMP-1S/D and VMP-2S/D was lower (1.4 to 1.8 inches of water) than the vacuum influence at VMP-3S/D (3 inches of water). VMP-3S/D is located near VEW-2, which was active throughout the first quarter of 2008. Conversely, VMP-1S/D and VMP-2S/D are located near VEW-1, which was inactive throughout the first quarter of 2008. Vapor monitoring point locations are shown in Figure 2.

## Action Items for the Second Quarter of 2008

### Action Item No. 1: Continue Routine SVE Operations

Routine SVE operations will continue during the second quarter of 2008. The performance of the active SVE wells will be monitored closely, and the contaminant mass loading rate will be manually adjusted so as to fully saturate the two lead vessels within 7 to 14 days. Wells VEW-1 and VEW-4S will remain inactive to focus SVE operations on wells with higher vapor contaminant concentrations. Well VEW-7 will be re-activated during the second quarter to evaluate well performance under increased soil vapor

temperatures (i.e. this well was made inactive in February 2008 when soil vapor temperatures were low). The carbon temperatures will continue to be monitored closely to ensure that heat build-up within the vessels is not occurring. Monthly inlet and outlet vapor samples will be collected, and quarterly data will be collected from the individual wells in June 2008.

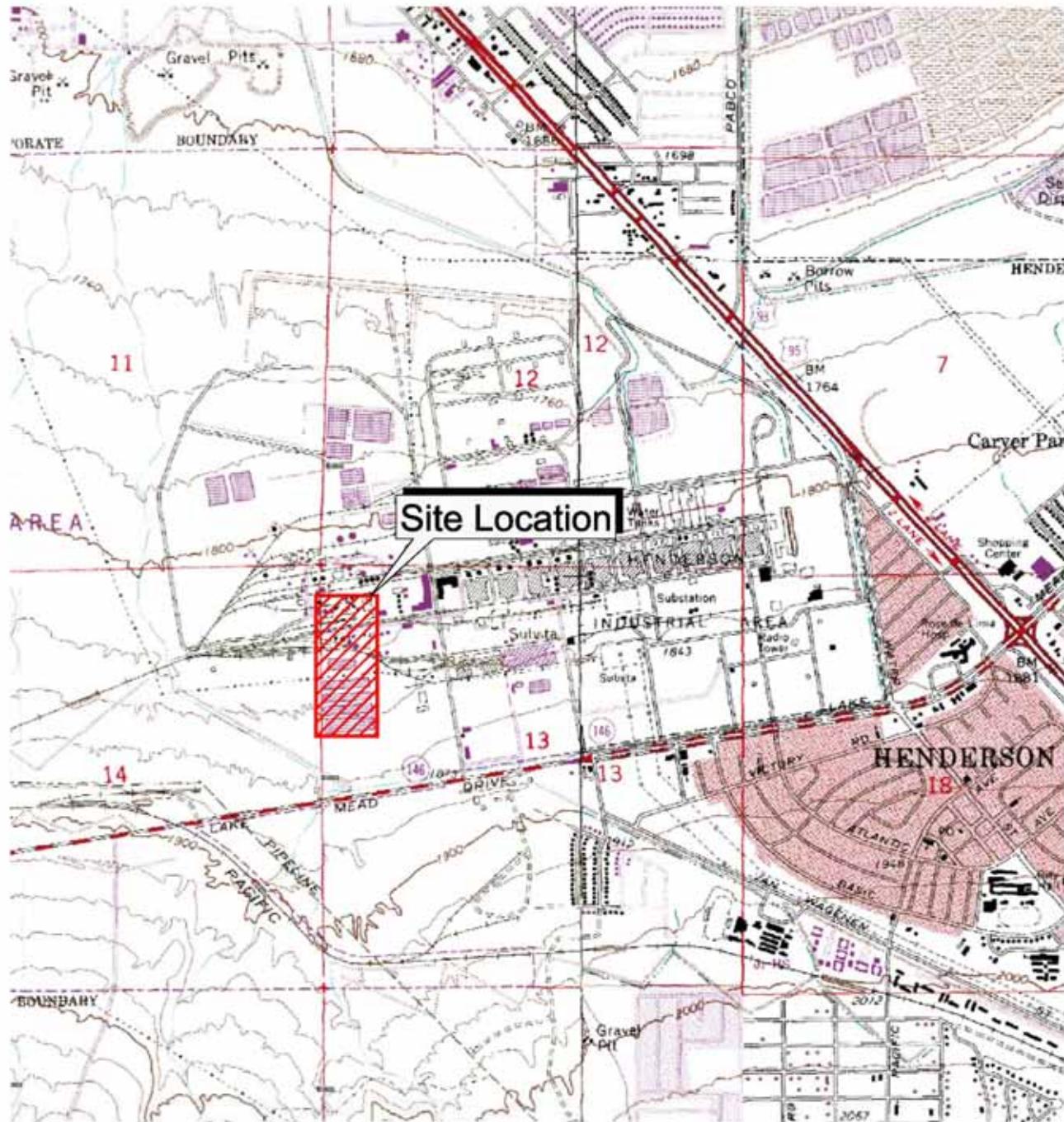
Action Item No. 2: Submit Revised Contingency Plan

Discussions with Olin Chlor-Alkali personnel regarding emergency notification procedures have concluded. The Contingency Plan will be revised to indicate that Olin Chlor-Alkali will not initiate emergency notification, and instead, an autodialer will be installed to automatically notify local emergency contact personnel if an emergency has occurred at the SVE system. During the second quarter of 2008, the revised Contingency Plan will be submitted to NDEP and the autodialer will be installed at the SVE system.

Earth Tech References:

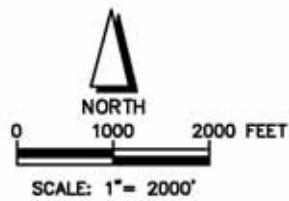
*SVE Work Plan, April 1, 2004  
Revised Progress Report for the Second Quarter 2005, March 3, 2006  
Progress Report – Third and Fourth Quarters 2005, June 9, 2006  
Progress Report – First Quarter of 2006, June 15, 2006  
Progress Report – Second Quarter of 2006, July 28, 2006  
NDEP Comments on Quarterly Progress Reports, August 14, 2006  
Soil Vapor Extraction Data Evaluation Work Plan, August 30, 2006  
Responses to NDEP Comments on the Quarterly Progress Reports, November 7, 2006  
Progress Report – Third Quarter of 2006, November 7, 2006  
Revised Soil Vapor Extraction Data Evaluation Work Plan, January 17, 2007  
NDEP Comments on Revised Data Evaluation Work Plan, January 29, 2007  
Earth Tech E-mail Correspondence, Monthly Vapor Analysis for SVOCs by TO-13, January 30, 2006  
NDEP E-mail Correspondence, Monthly Vapor Analysis for SVOCs by TO-13, February 1, 2007  
Progress Report – Fourth Quarter of 2006, February 2, 2007  
NDEP Comments on Third and Fourth Quarter 2006 Progress Reports, February 28, 2007  
Progress Report – First Quarter of 2007, May 9, 2007  
Progress Report – Second Quarter of 2007, August 17, 2007  
Proposed Cooling Water Piping Drawings, August 31, 2007  
NDEP Concurrence of the Proposed Cooling Water Piping Drawings, September 6, 2007  
SVE Expansion Work Plan, September 10, 2007  
NDEP Concurrence of the SVE Expansion Work Plan, September 12, 2007  
NDEP Concurrence of Second Quarter 2007 Progress Report, September 13, 2007  
Progress Report – Third Quarter of 2007, November 20, 2007  
NDEP Concurrence of Third Quarter 2007 Progress Report, December 11, 2007  
Progress Report – Fourth Quarter of 2007, February 4, 2008  
NDEP Concurrence of Fourth Quarter 2007 Progress Report, February 13, 2008*

## **FIGURES**



#### References:

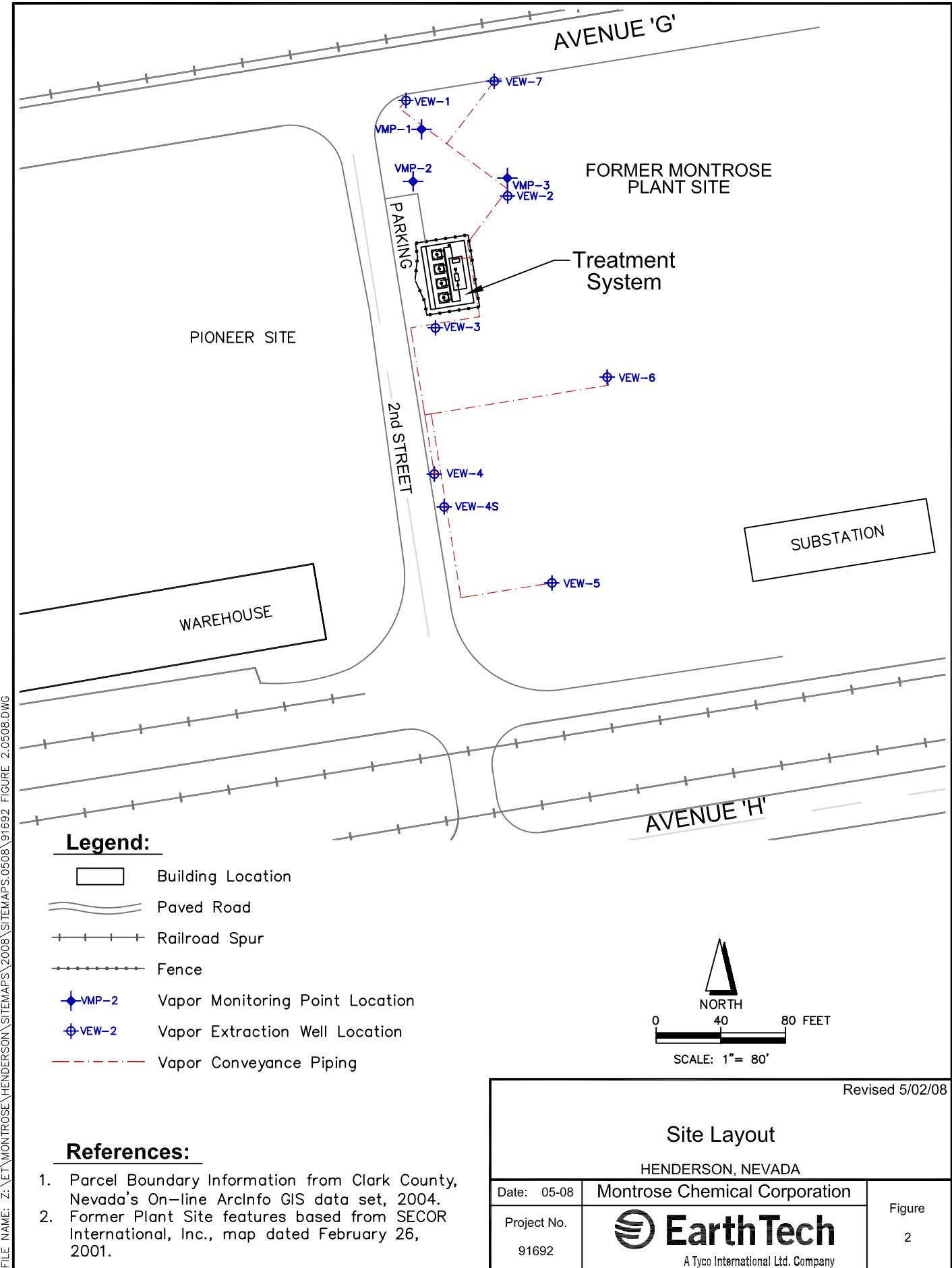
1. U.S.G.S. 7.5 Minute Topographic Quadrangle, Henderson, Nevada, Photorevised 1986. Image from MS Terraserver, Copyright 2007.

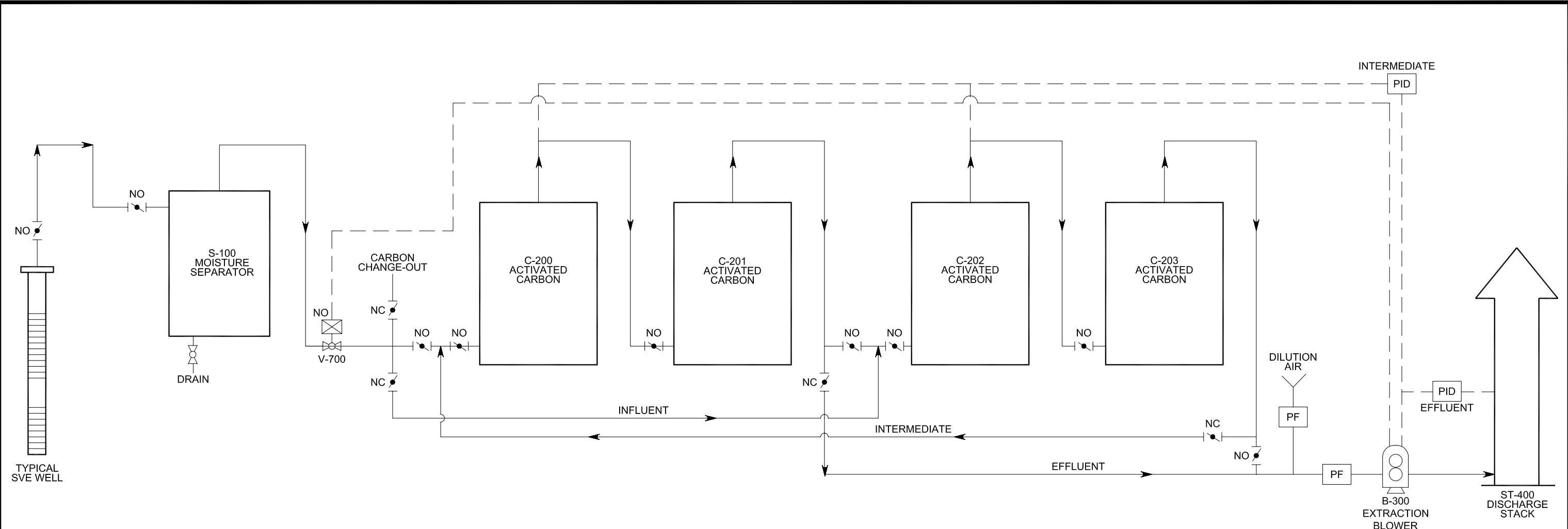


Revised 05/04/07

#### Site Location Map

Date: 05-07	Montrose - Henderson, Nevada	Figure 1
Project No. 91692	<b>EarthTech</b> A Tyco International Ltd. Company	





LEGEND:

- Ball Valve
- Butterfly Valve
- Sample Valve
- Pressure Indicator
- Flow Indicator
- Particulate Filter
- Photo Ionization Detector
- PIPE AND FLOW DIRECTION
- INSTRUMENTATION LOGIC PATH
- Positive Displacement Blower

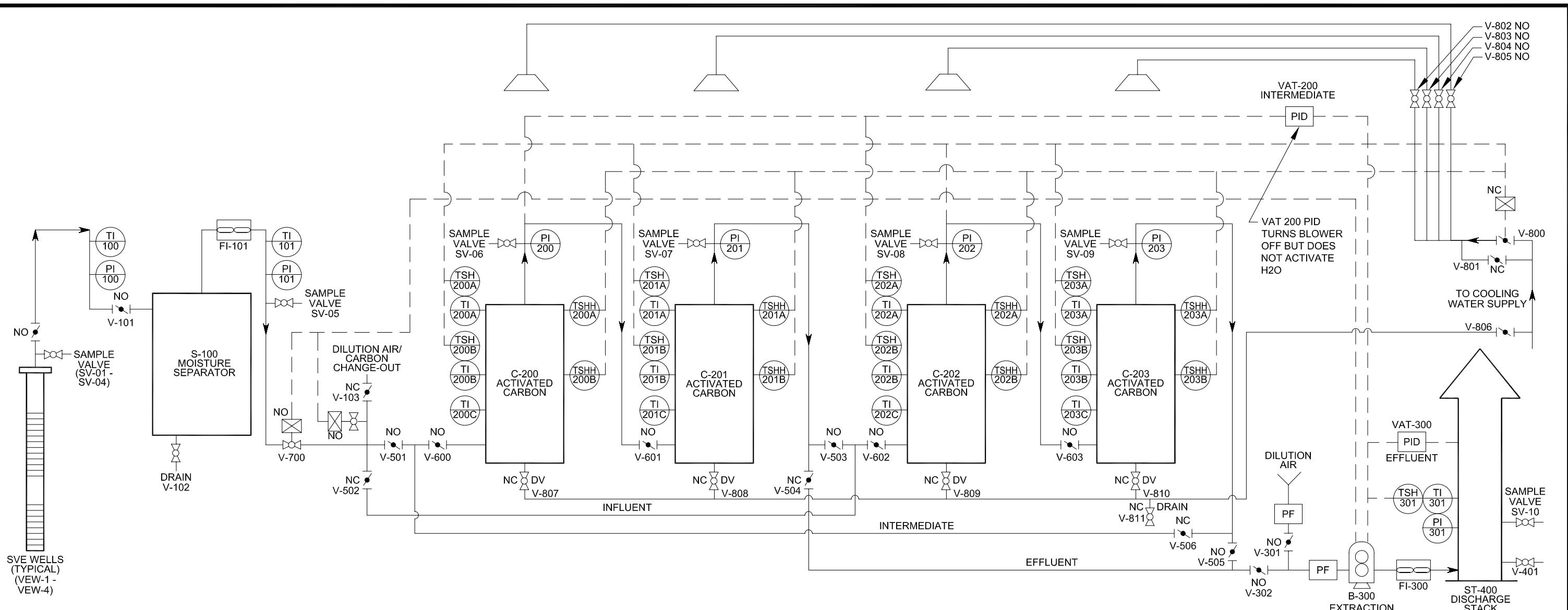
SCHEDULE OF MAJOR EQUIPMENT

QTY	PART NO.	DESCRIPTION
1	S-100	MOISTURE SEPARATOR
4	C-200 C-201 C-202 C-203	5,000-LB VAPOR-PHASE GRANULAR ACTIVATED CARBON UNITS
1	B-300	POSITIVE DISPLACEMENT EXTRACTION BLOWER
1	ST-400	DISCHARGE STACK
1	V-700	MOTOR-OPERATED VALVE

ABBREVIATIONS:

- NO NORMALLY OPEN
- NC NORMALLY CLOSED
- PF PARTICULATE FILTER
- PID PHOTO IONIZATION DETECTOR
- SVE SOIL VAPOR EXTRACTION

SVE Treatment System Configuration		
HENDERSON, NEVADA		
Date: 01-08	Montrose Chemical Corporation	Figure 3
Project No. 91692	<b>Earth Tech</b> A Tyco International Ltd. Company	



#### SCHEDULE OF MAJOR EQUIPMENT

QTY	PART NO.	DESCRIPTION
1	S-100	MOISTURE SEPARATOR
4	C-200 C-201 C-202 C-203	5,000-LB VAPOR-PHASE GRANULAR ACTIVATED CARBON CONTAINED IN VESSELS
1	B-300	POSITIVE DISPLACEMENT EXTRACTION BLOWER
1	ST-400	DISCHARGE STACK
2	V-700 V-800	MOTOR-OPERATED VALVE

#### ABBREVIATIONS:

FI	FLOW INDICATOR
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
PF	PARTICULATE FILTER
PI	PRESSURE INDICATOR
PID	PHOTOIONIZATION DETECTOR
SV	SAMPLE VALVE
SVE	SOIL VAPOR EXTRACTION
TI	TEMPERATURE INDICATOR
TSH	TEMPERATURE SENSOR – HIGH
TSHH	TEMPERATURE SENSOR – HIGH HIGH
V	VALVE
VAT	VAPOR ANALYZER TRANSMITTER
DV	DRAIN VALVE (CONNECTION TO COOLING WATER SUPPLY AS NEEDED TO ABATE CARBON OVERHEAT CONDITION)
GPM	GALLONS PER MINUTE

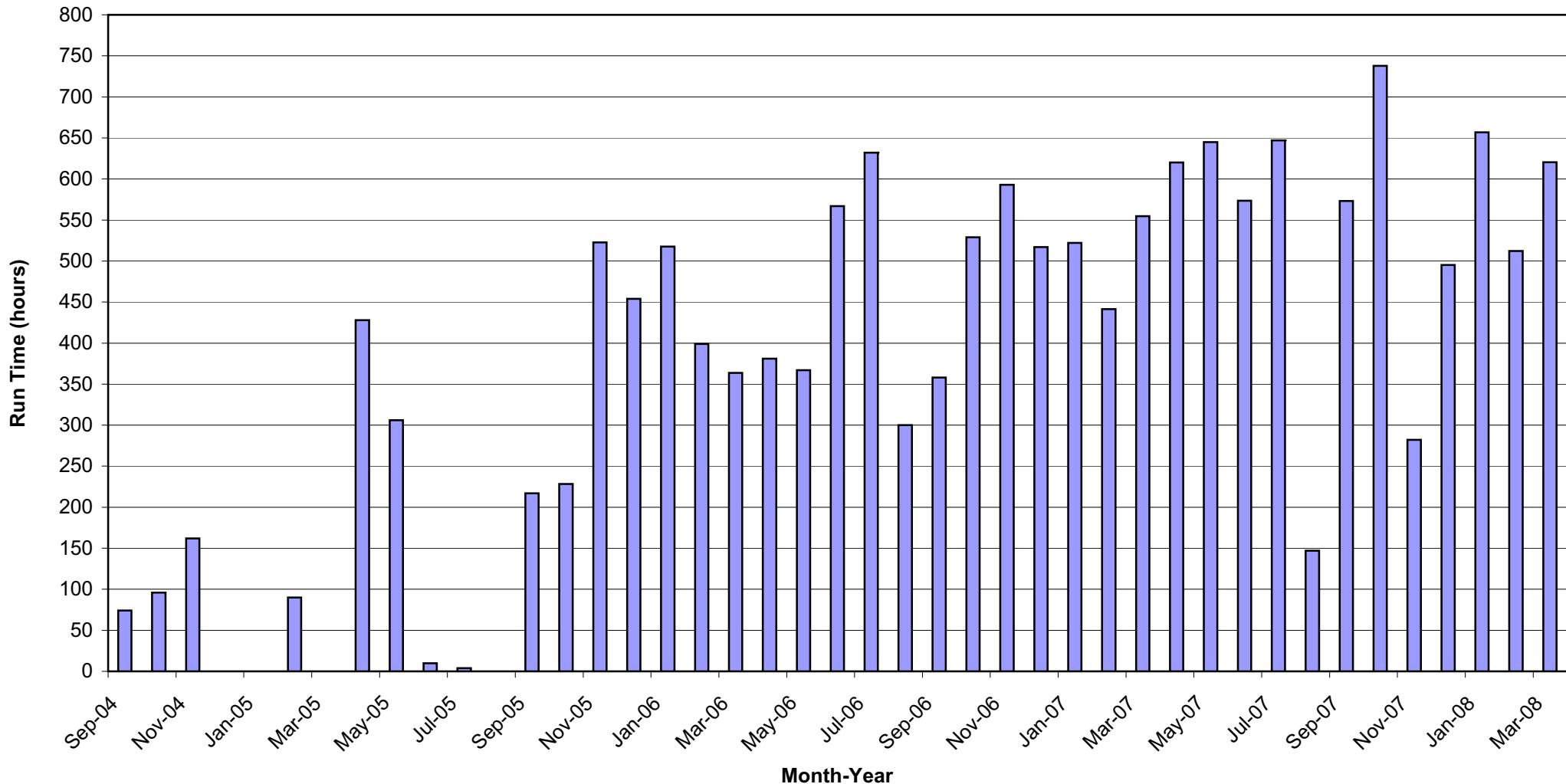
Piping and Instrumentation Diagram of SVE System  
HENDERSON, NEVADA

Revised 10/18/07

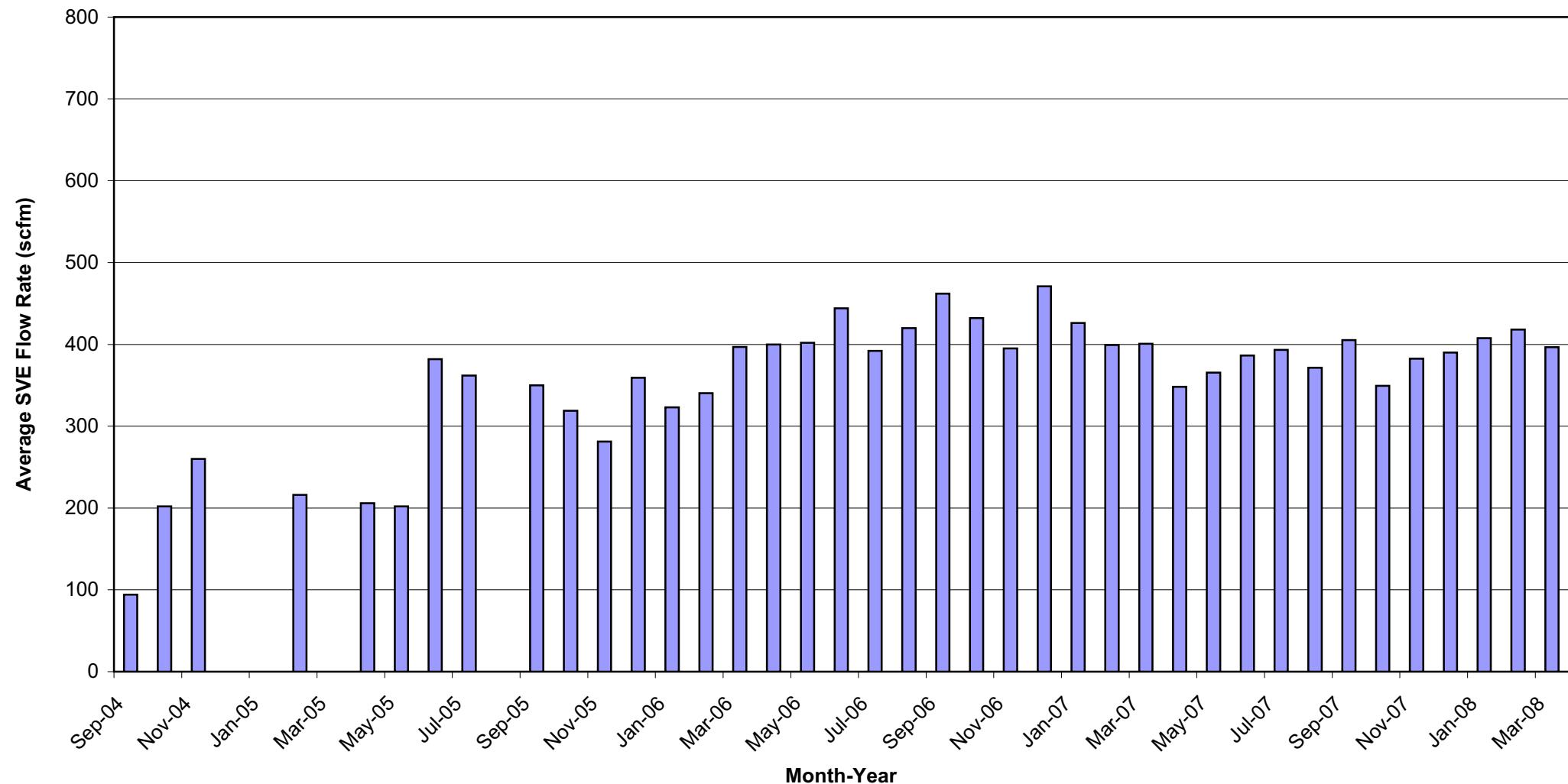
Date: 10-07 Montrose Chemical Corporation  
Project No. 91692 EarthTech  
A Tyco International Ltd. Company

Figure 4

**Figure 5**  
**SVE System Run Time**

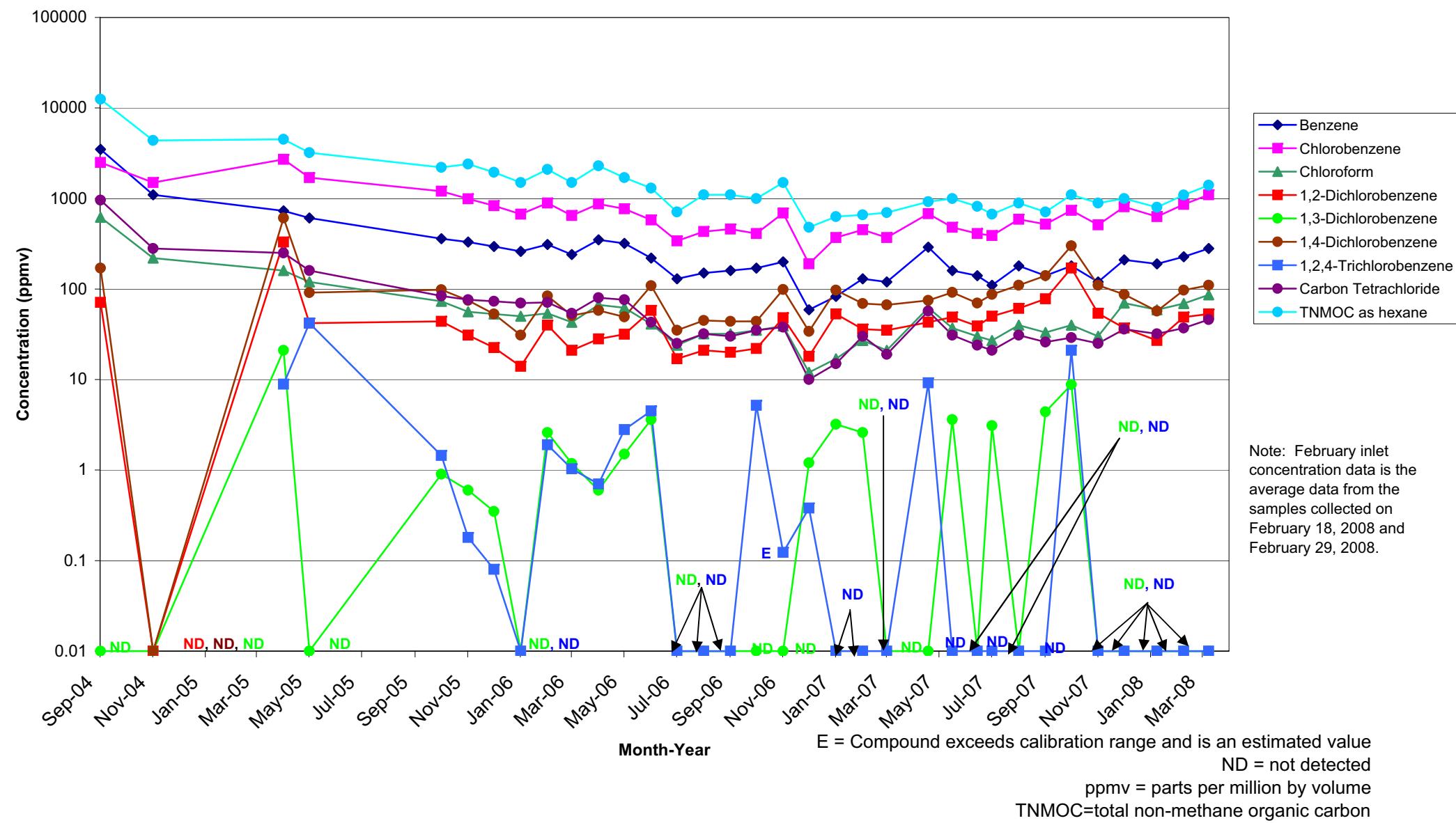


**Figure 6**  
**Average Vapor Flow Rate vs. Time**

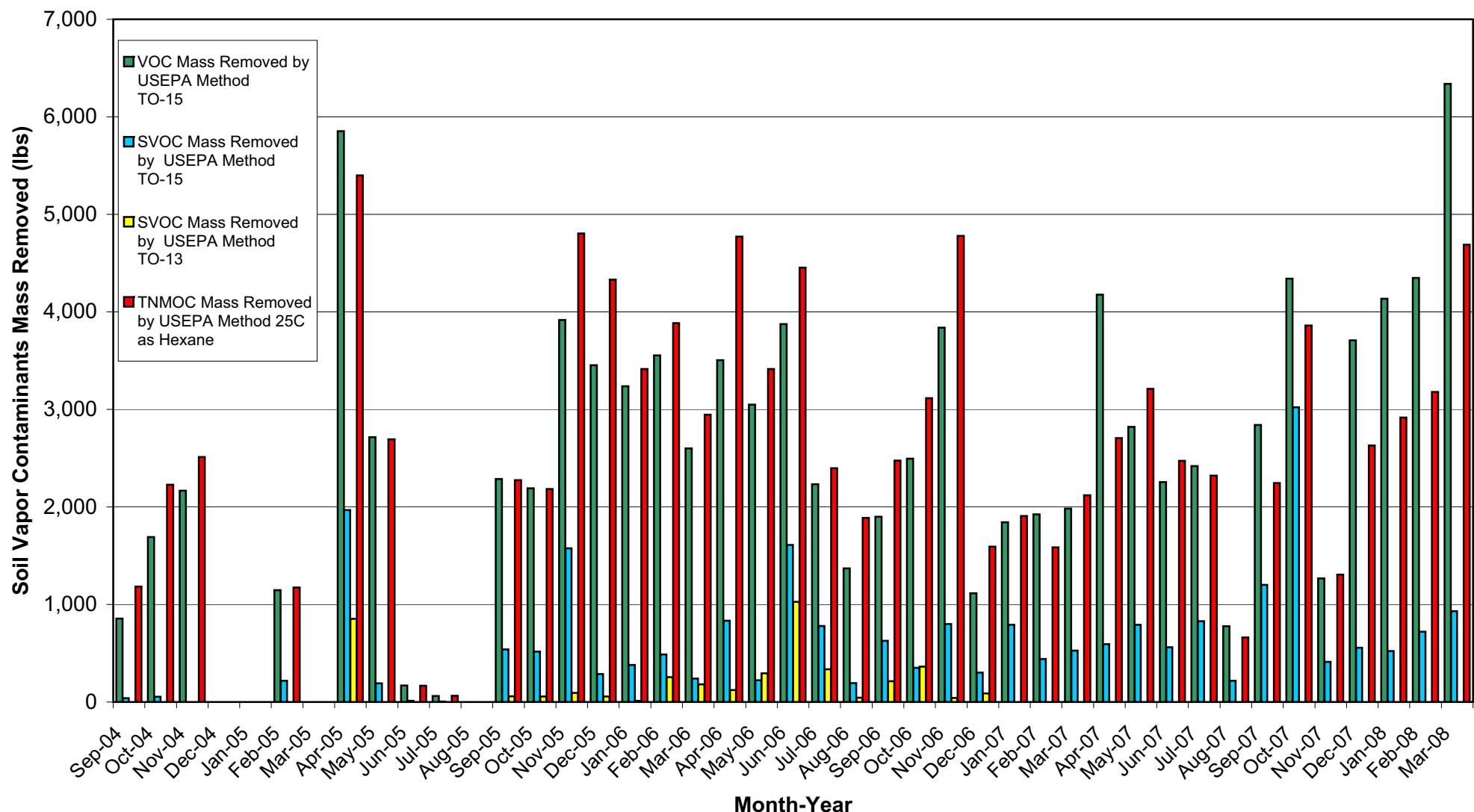


scfm = standard cubic feet per minute

**Figure 7**  
**Soil Vapor Inlet Contaminant Concentrations vs. Time**



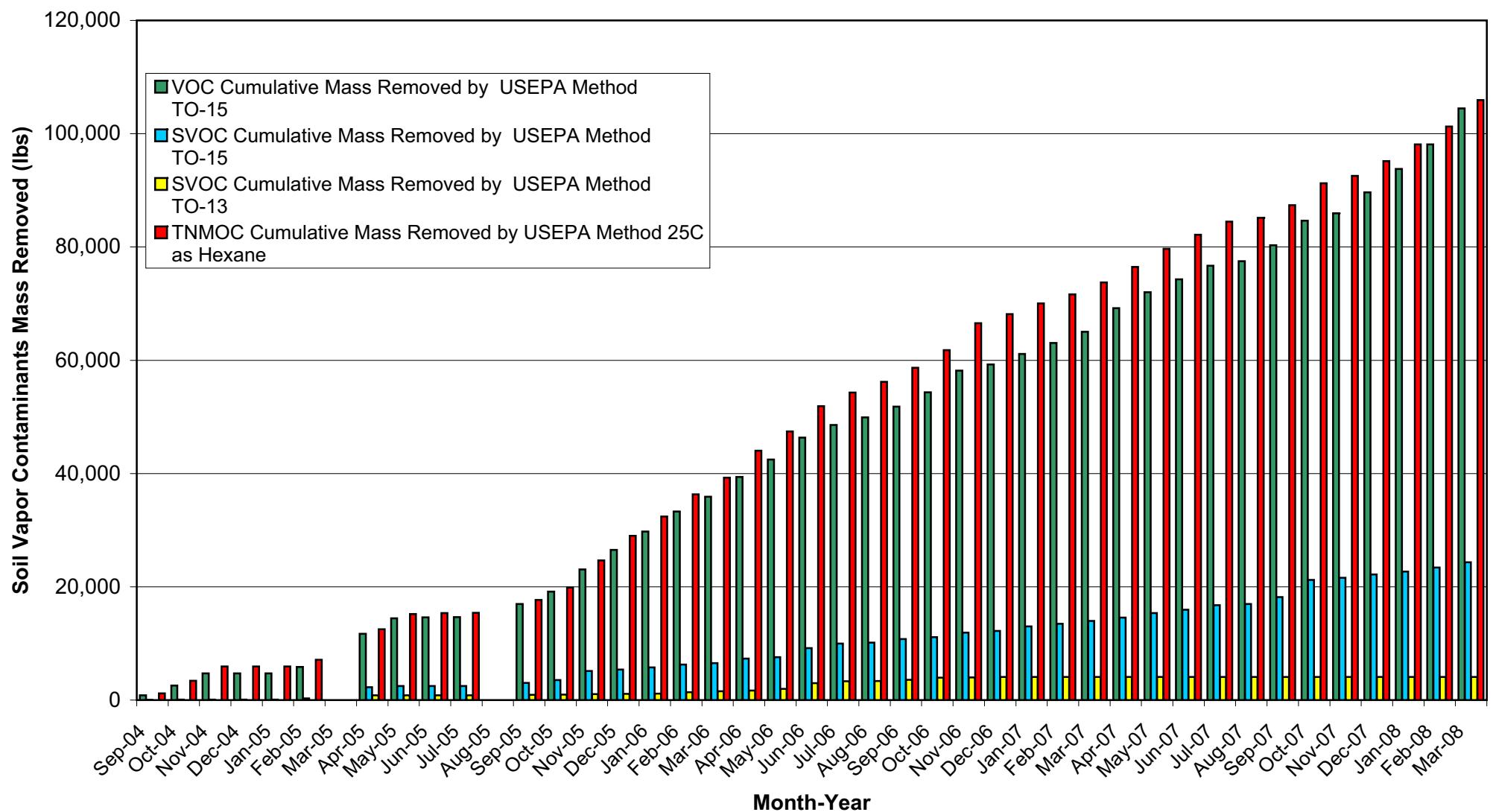
**Figure 8**  
**Soil Vapor Contaminant Mass Removed vs. Time**



lbs = pounds

TNMOC = Total non-methane organic carbon  
 Volatile organic compounds (VOCs) by USEPA Method TO-15  
 Semi-volatile organic compounds (SVOCs) by USEPA Method TO-13 and TO-15  
 Analysis for SVOCs by USEPA TO-13 was discontinued in Jan 2007

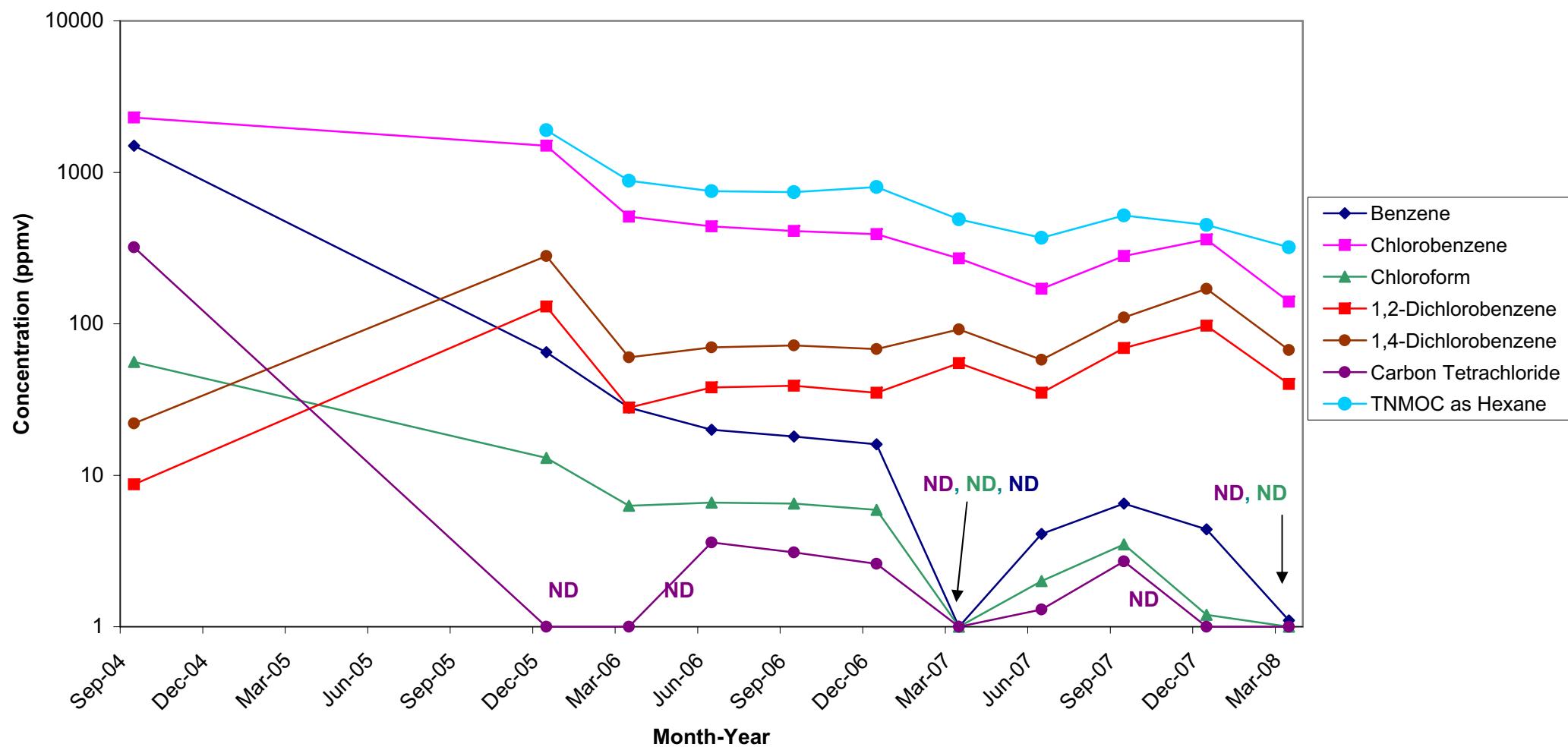
**Figure 9**  
**Cumulative Soil Vapor Contaminant Mass Removed vs. Time**



lbs = pounds

TNMOC = Total non-methane organic carbon  
 Volatile organic compounds (VOCs) by USEPA Method TO-15  
 Semi-volatile organic compounds (SVOCs) by USEPA Method TO-13 and TO-15  
 Analysis for SVOCs by USEPA TO-13 was discontinued in Jan 2007

**Figure 10**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-1**

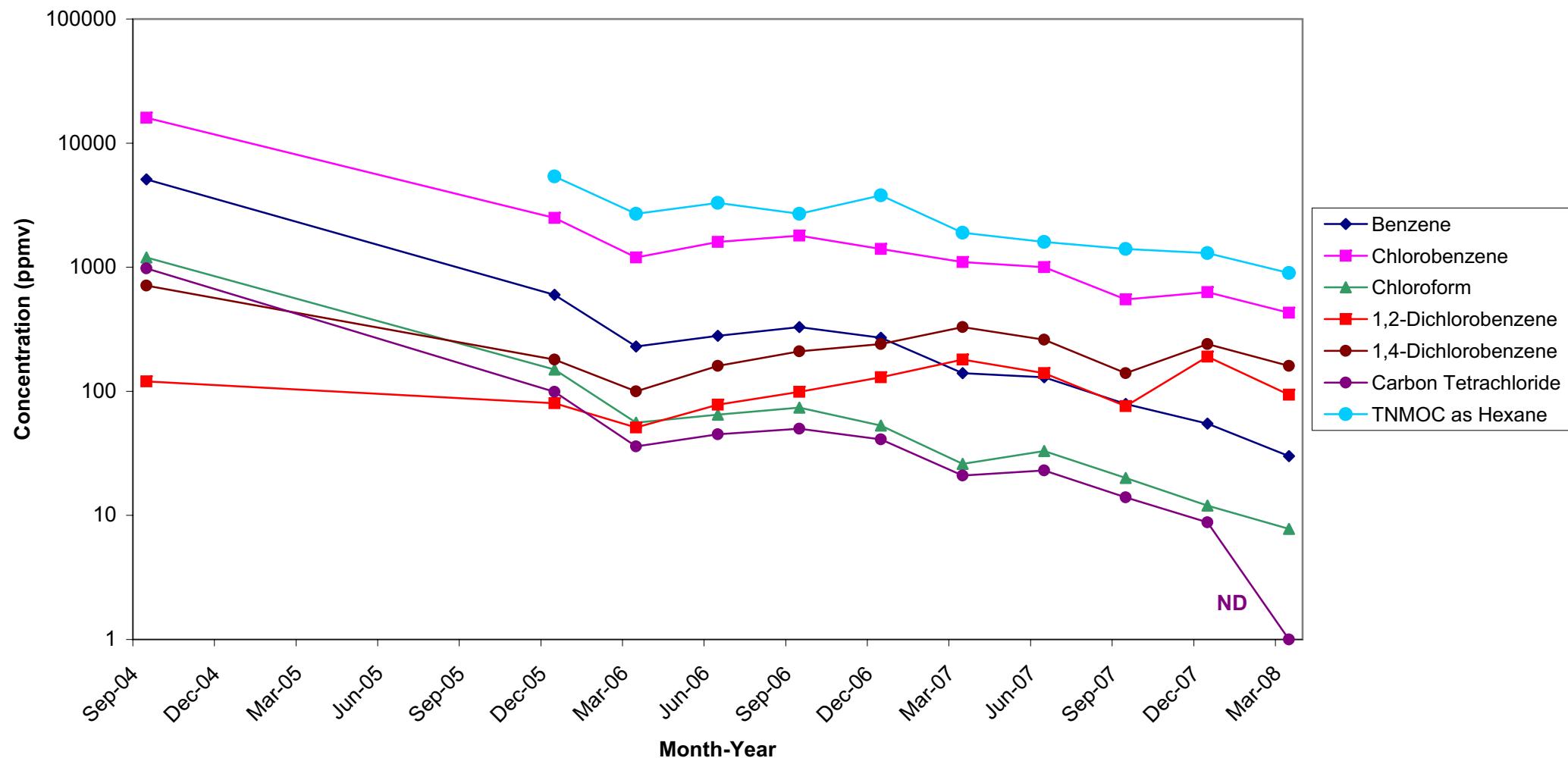


ND = not detected

ppmv = parts per million by volume

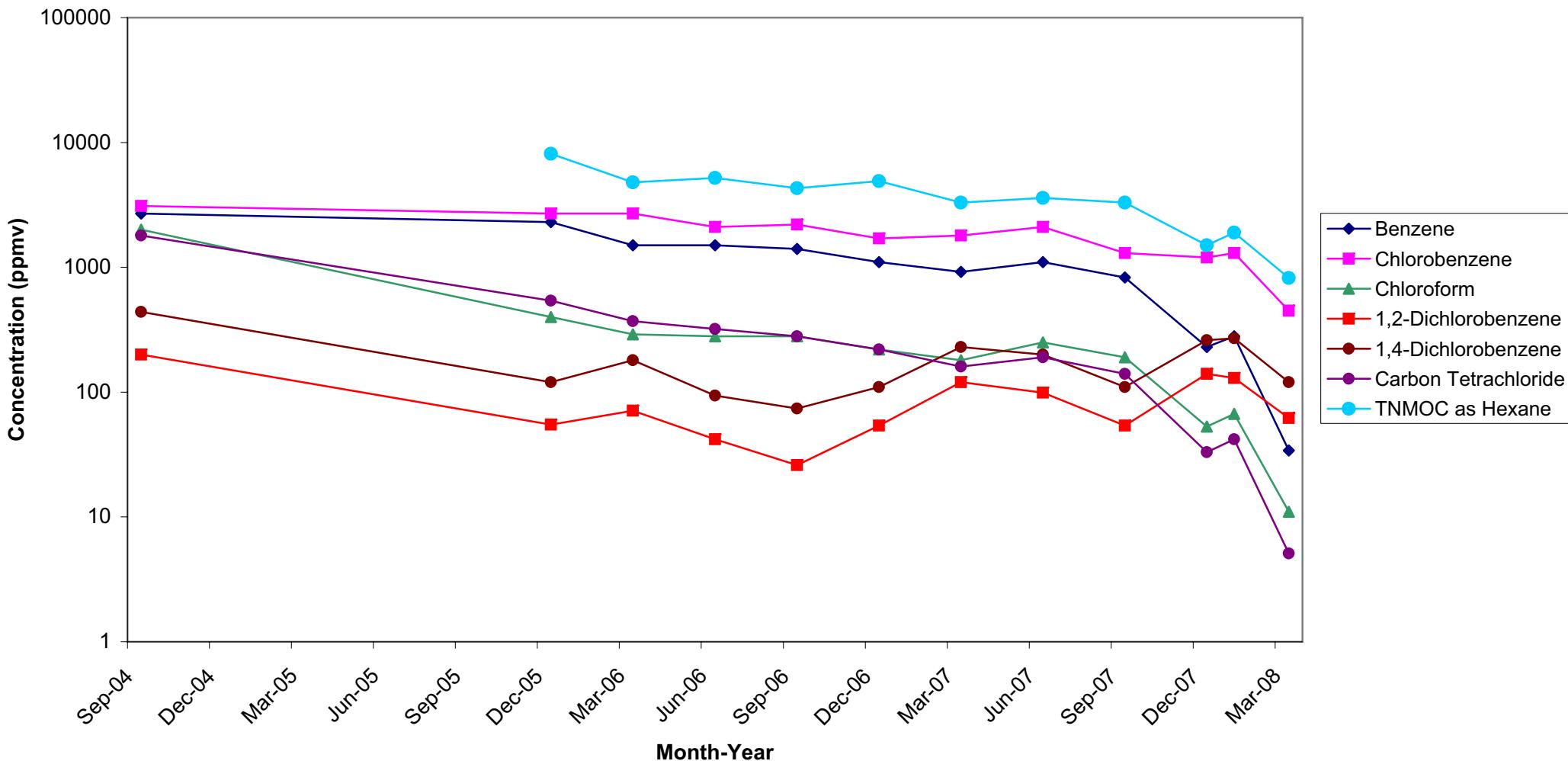
TNMOC = total non-methane organic carbon

**Figure 11**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-2**



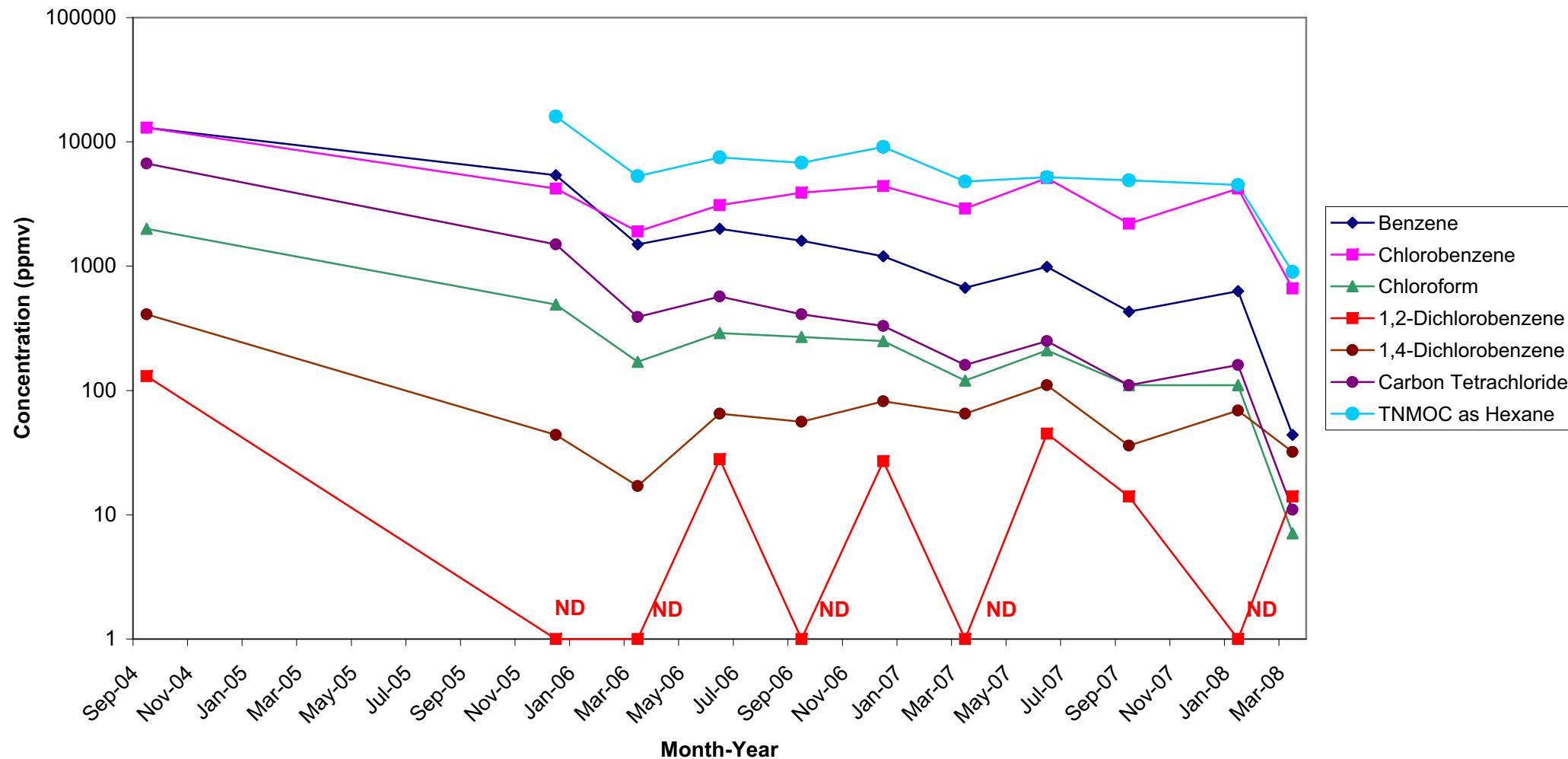
ND= not detected  
 ppmv = parts per million by volume  
 TNMOC = total non-methane organic carbon

**Figure 12**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-3**



ppmv = parts per million by volume  
TNMOC=total non-methane organic carbon

**Figure 13**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-4**

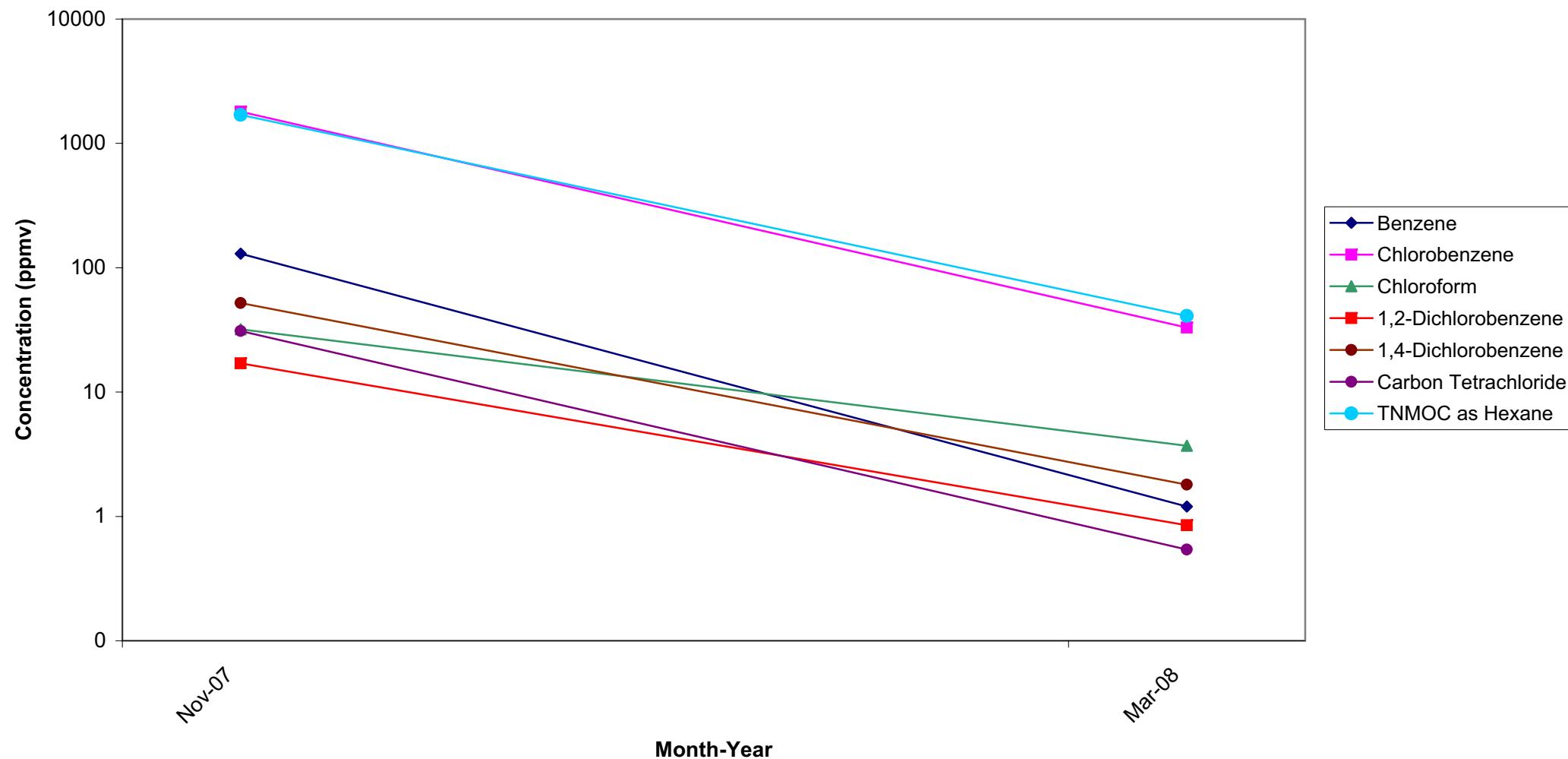


ND = not detected

ppmv = parts per million by volume

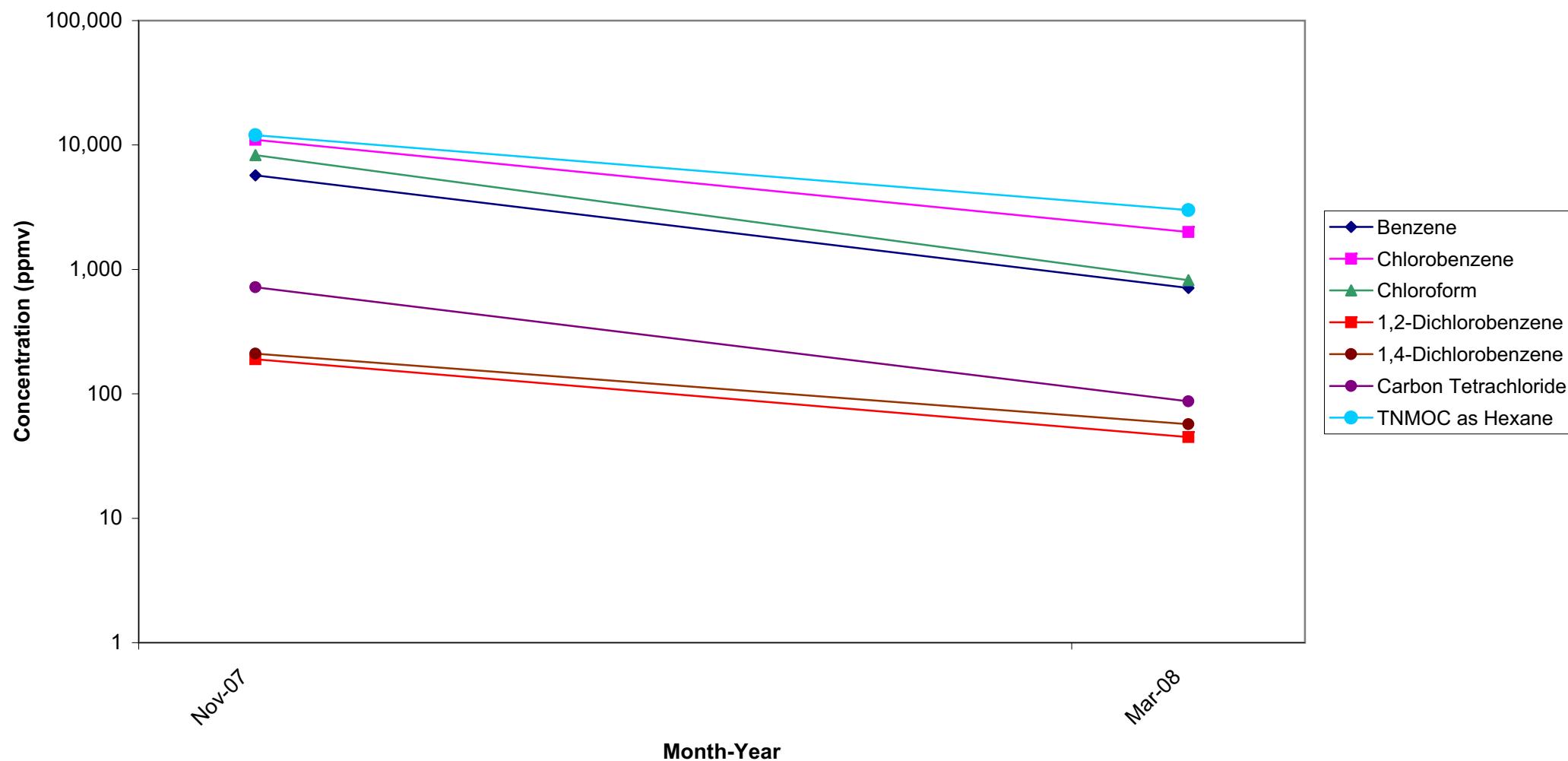
TNMOC=total non-methane organic carbon

**Figure 14**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-4s**



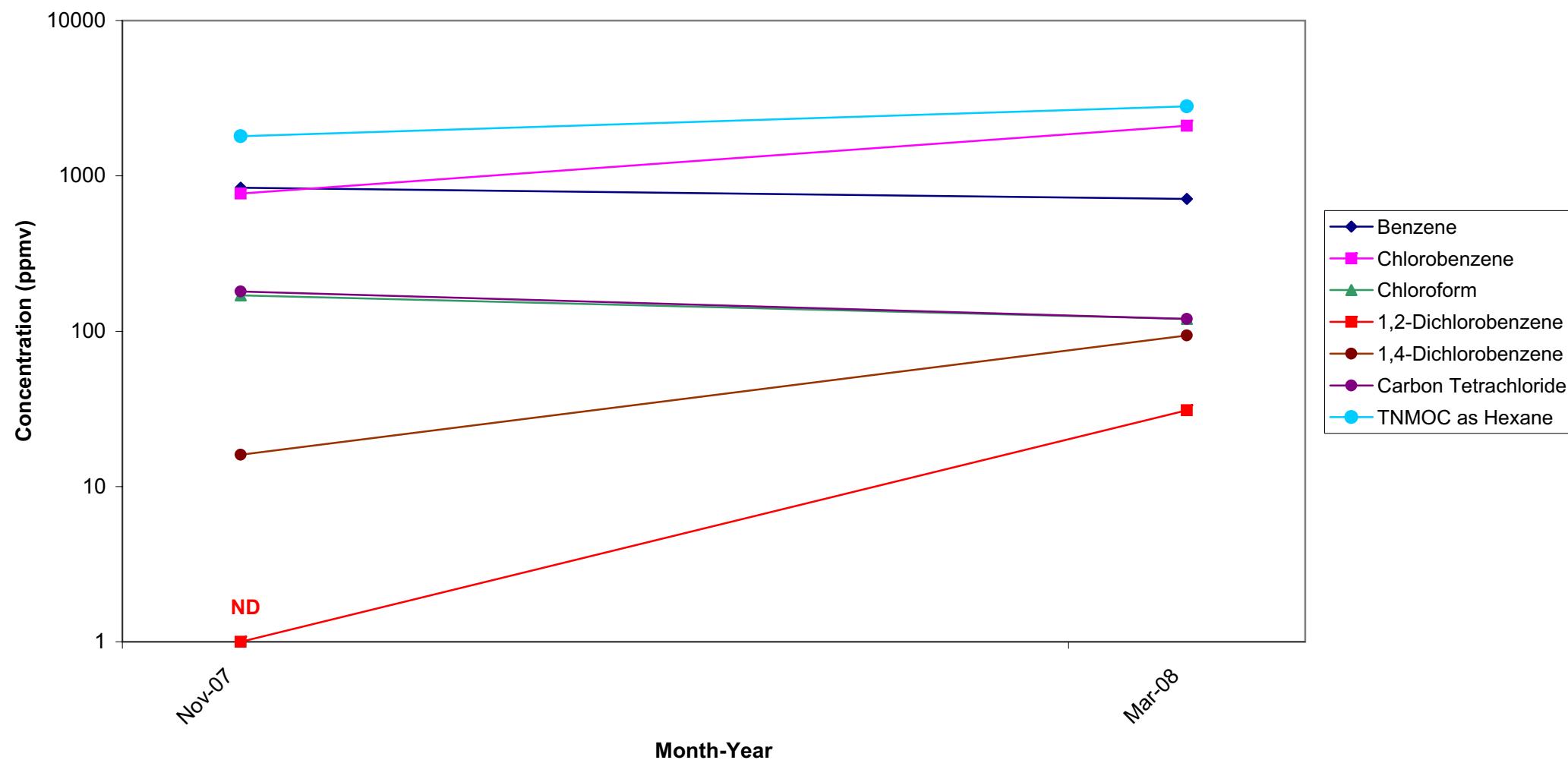
ppmv = parts per million by volume  
TNMOC=total non-methane organic carbon

**Figure 15**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-5**



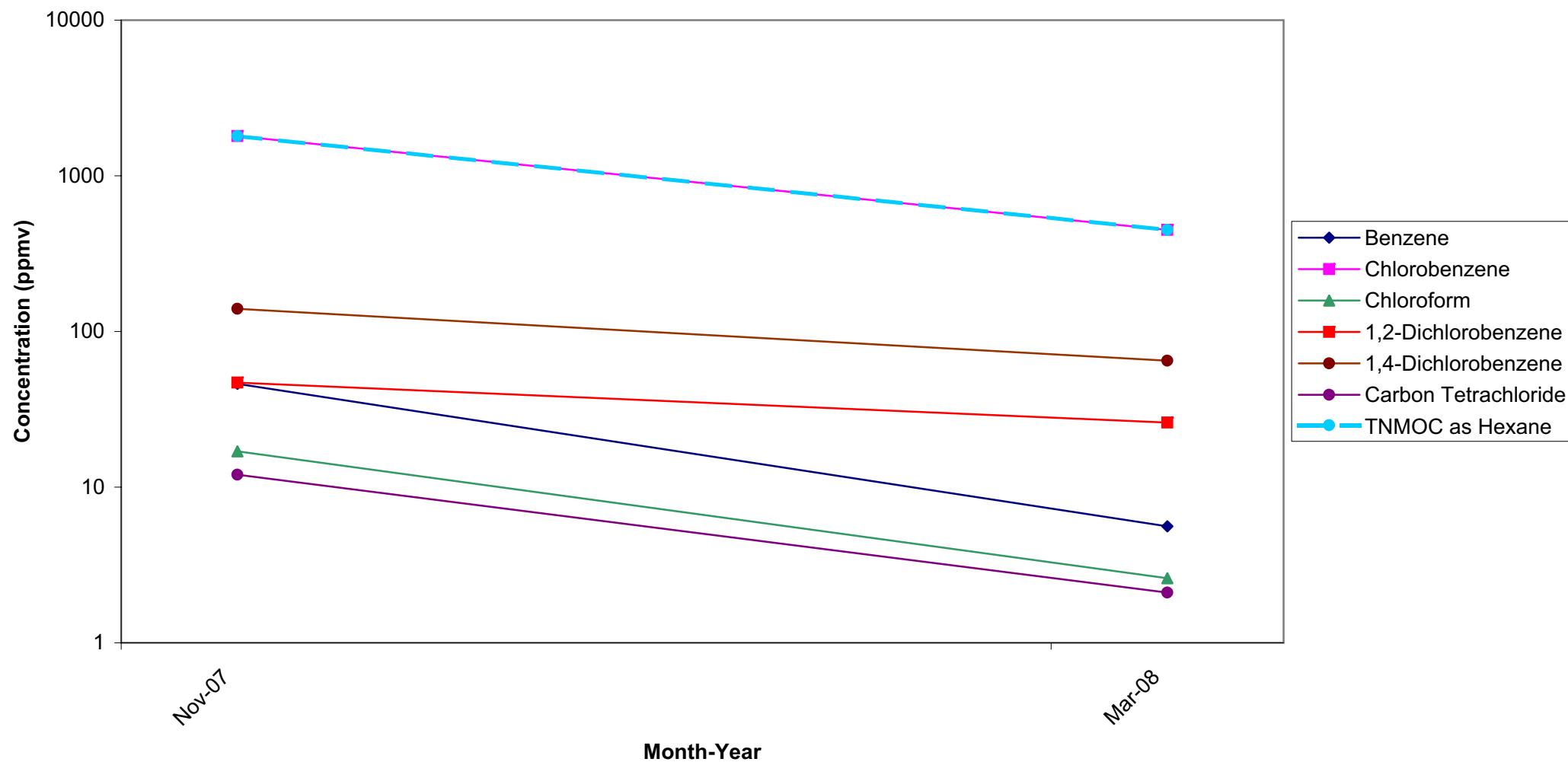
ppmv = parts per million by volume  
TNMOC=total non-methane organic carbon

**Figure 16**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-6**



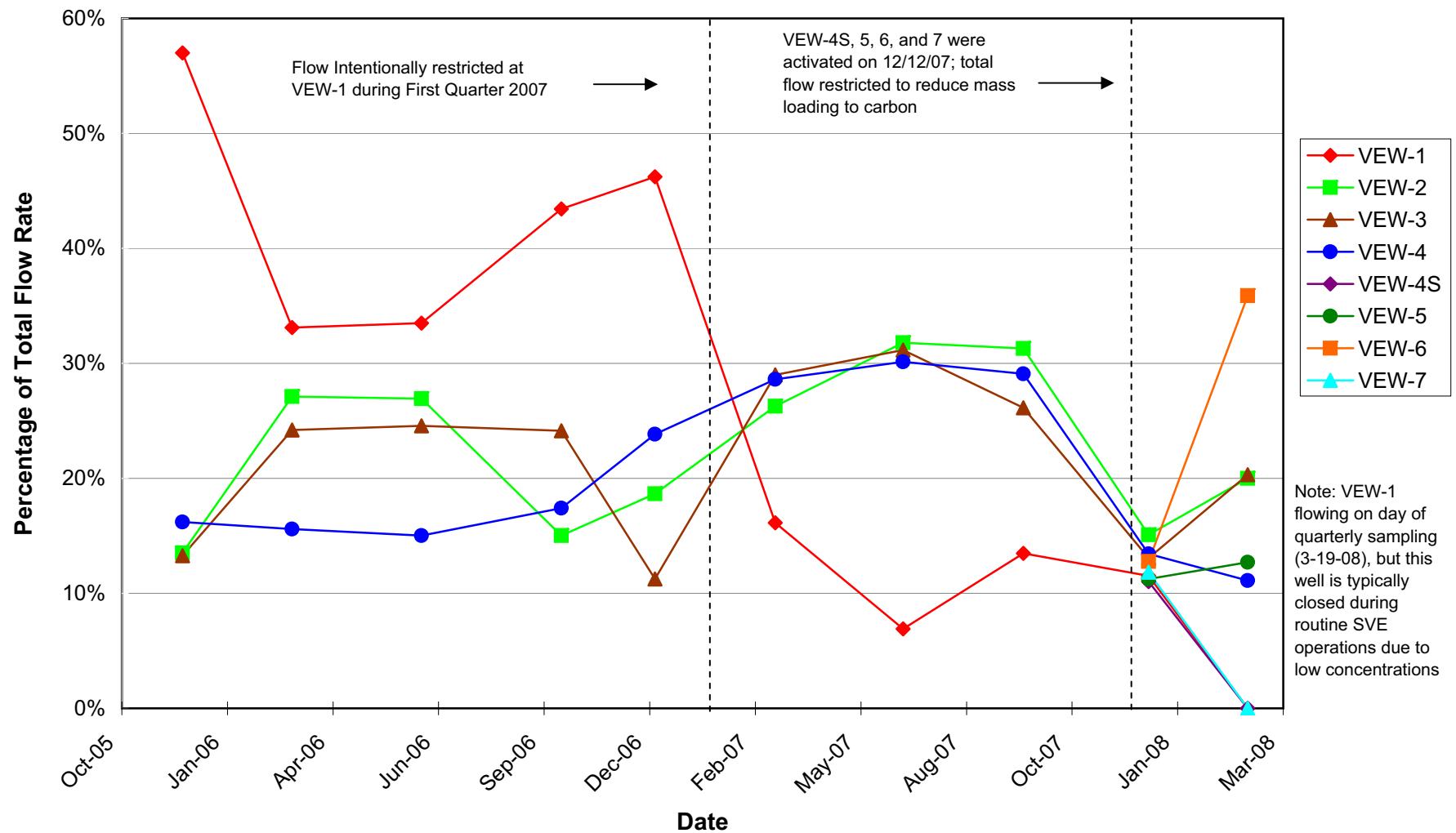
ND = not detected  
ppmv = parts per million by volume  
TNMOC=total non-methane organic carbon

**Figure 17**  
**Soil Vapor Concentrations vs. Time for SVE Well VEW-7**

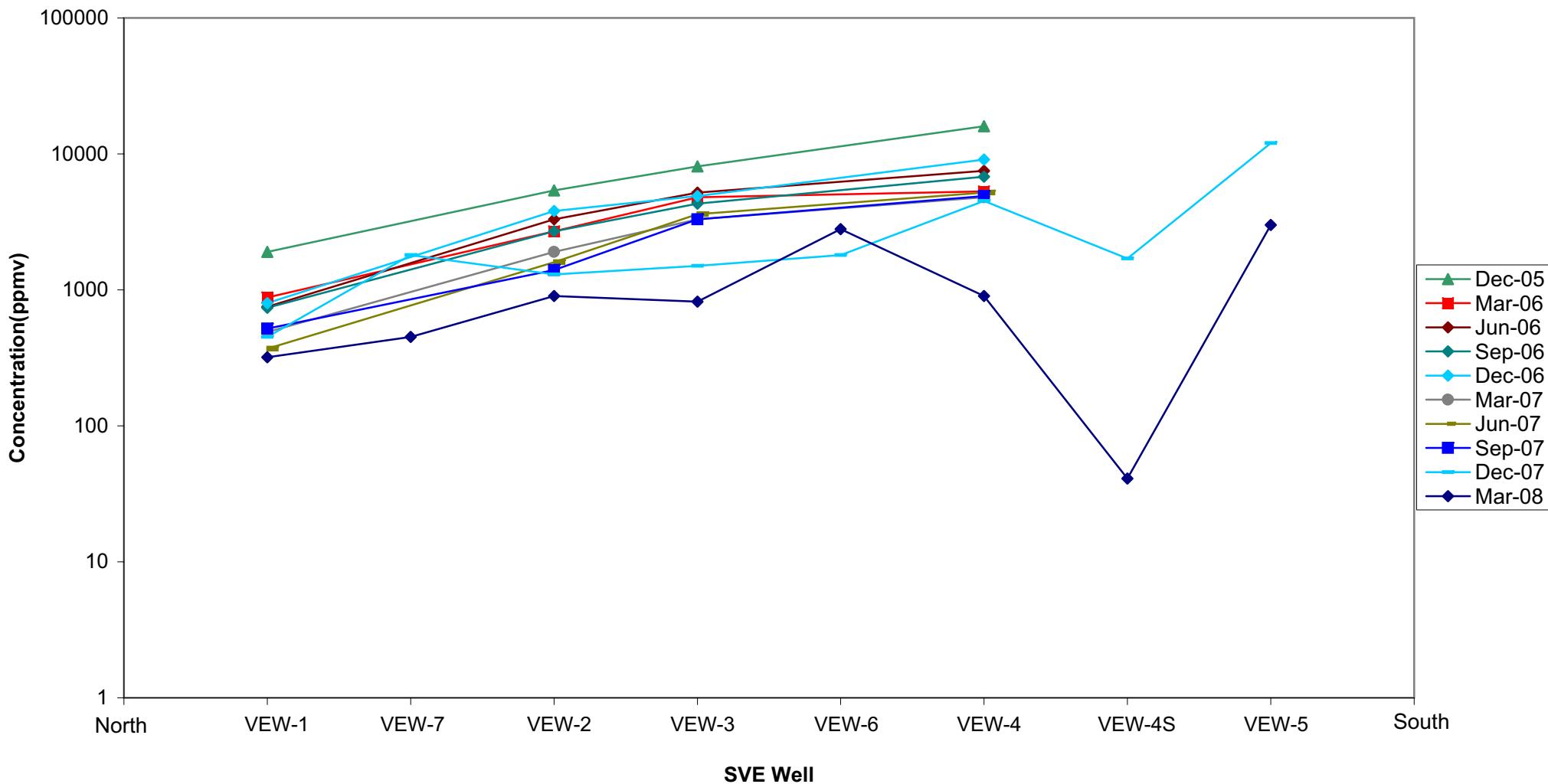


ppmv = parts per million by volume  
TNMOC=total non-methane organic carbon

**Figure 18**  
**Vapor Extraction Well Flow Rates vs. Time**

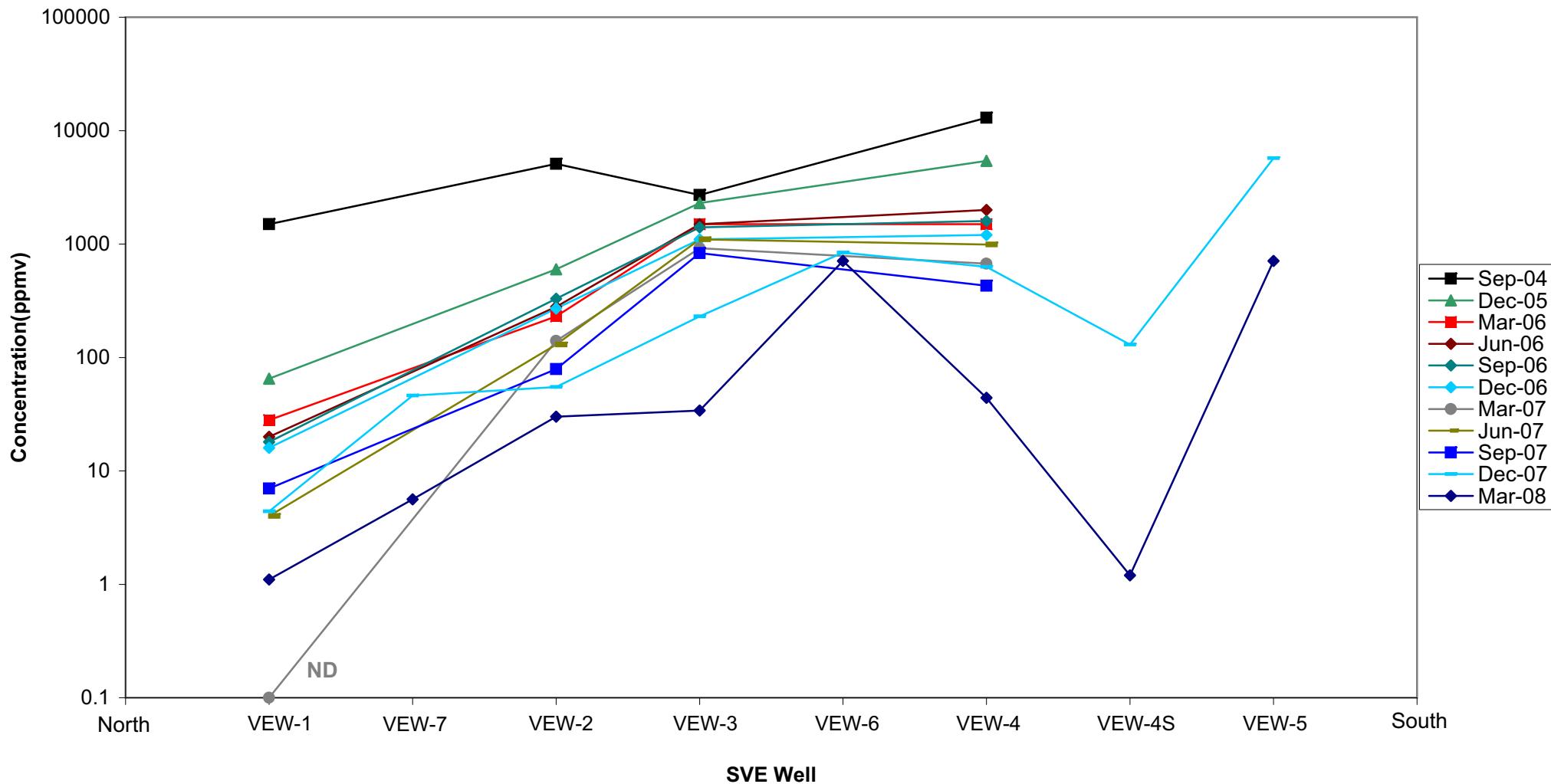


**Figure 19**  
**TNMOC as Hexane Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**



ppmv = parts per million by volume  
TNMOC = total non-methane organic carbon

**Figure 20**  
**Benzene Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**

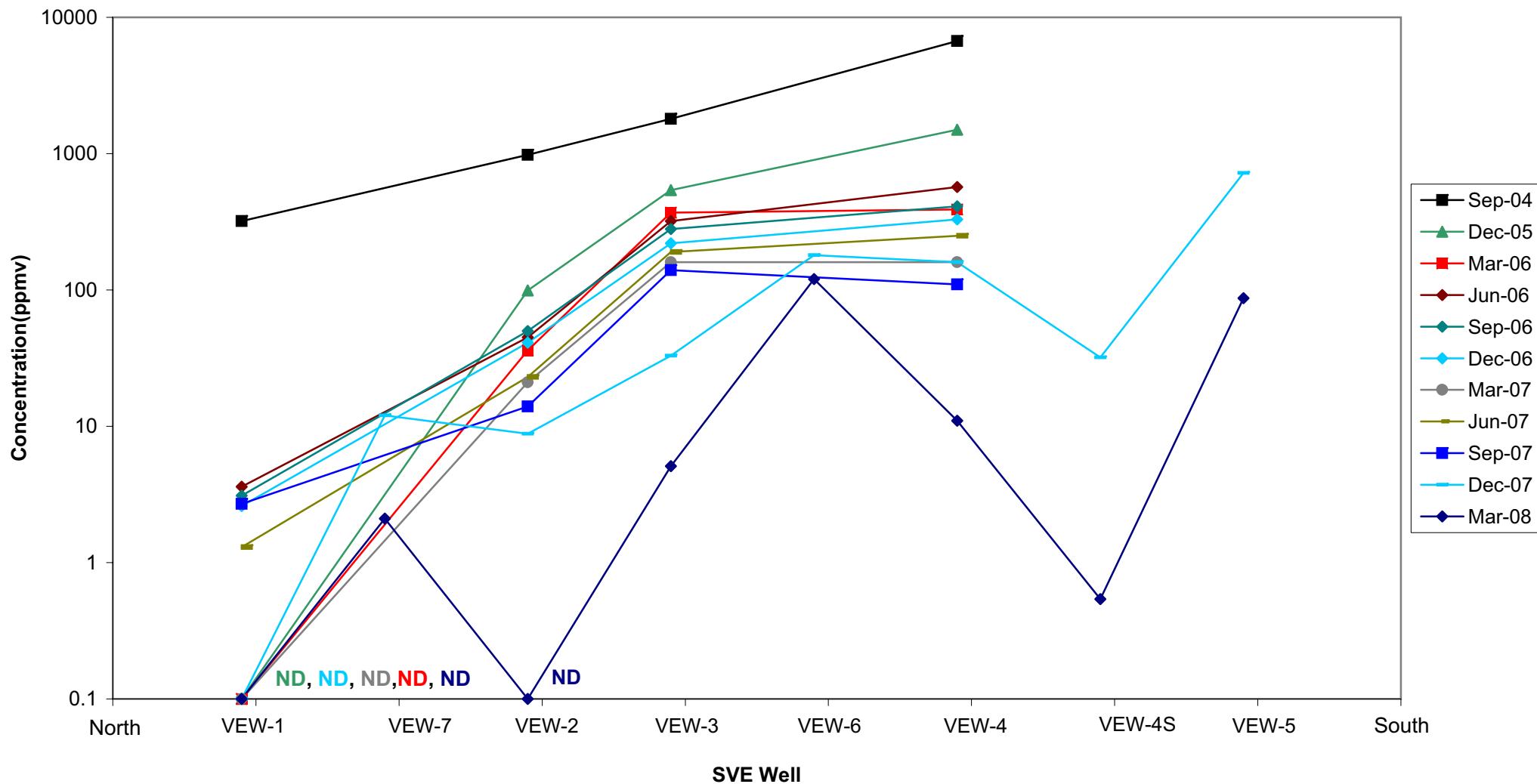


ND = not detected

ppmv = parts per million by volume

TNMOC = total non-methane organic carbon

**Figure 21**  
**Carbon Tetrachloride Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**

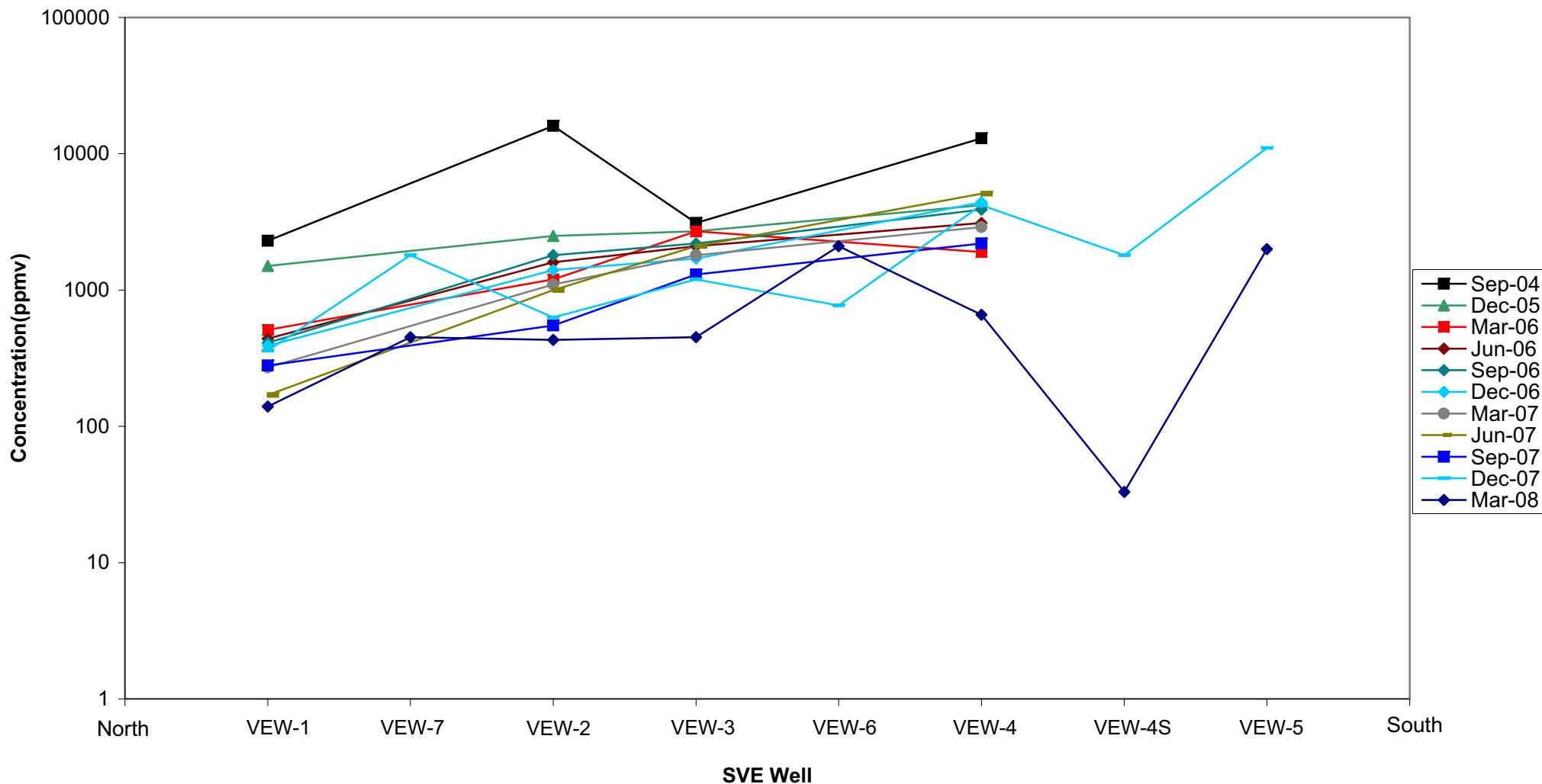


ND = not detected

ppmv = parts per million by volume

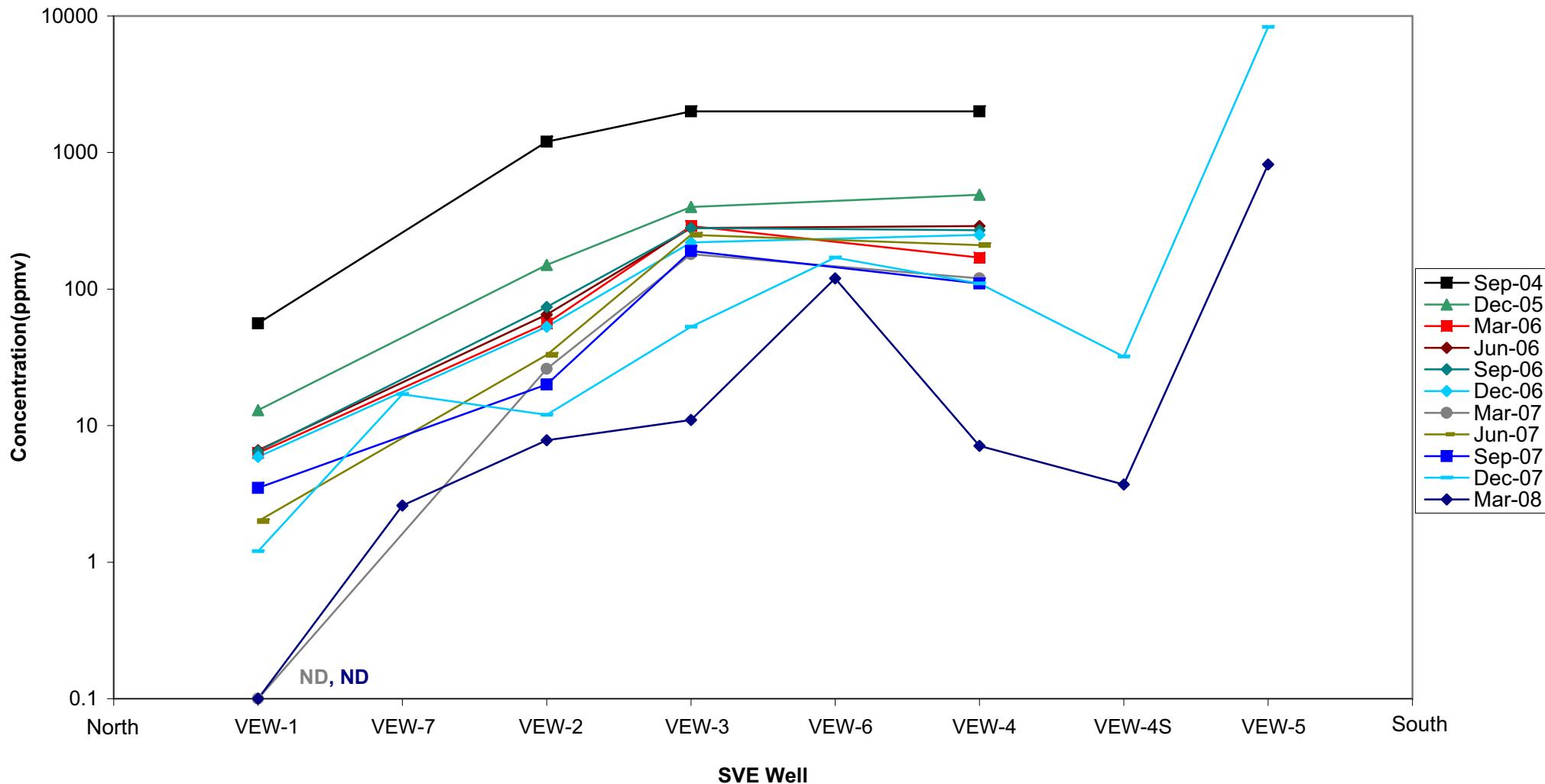
TNMOC = total non-methane organic carbon

**Figure 22**  
**Chlorobenzene Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**



ppmv = parts per million by volume  
TNMOC = total non-methane organic carbon

**Figure 23**  
**Chloroform Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**

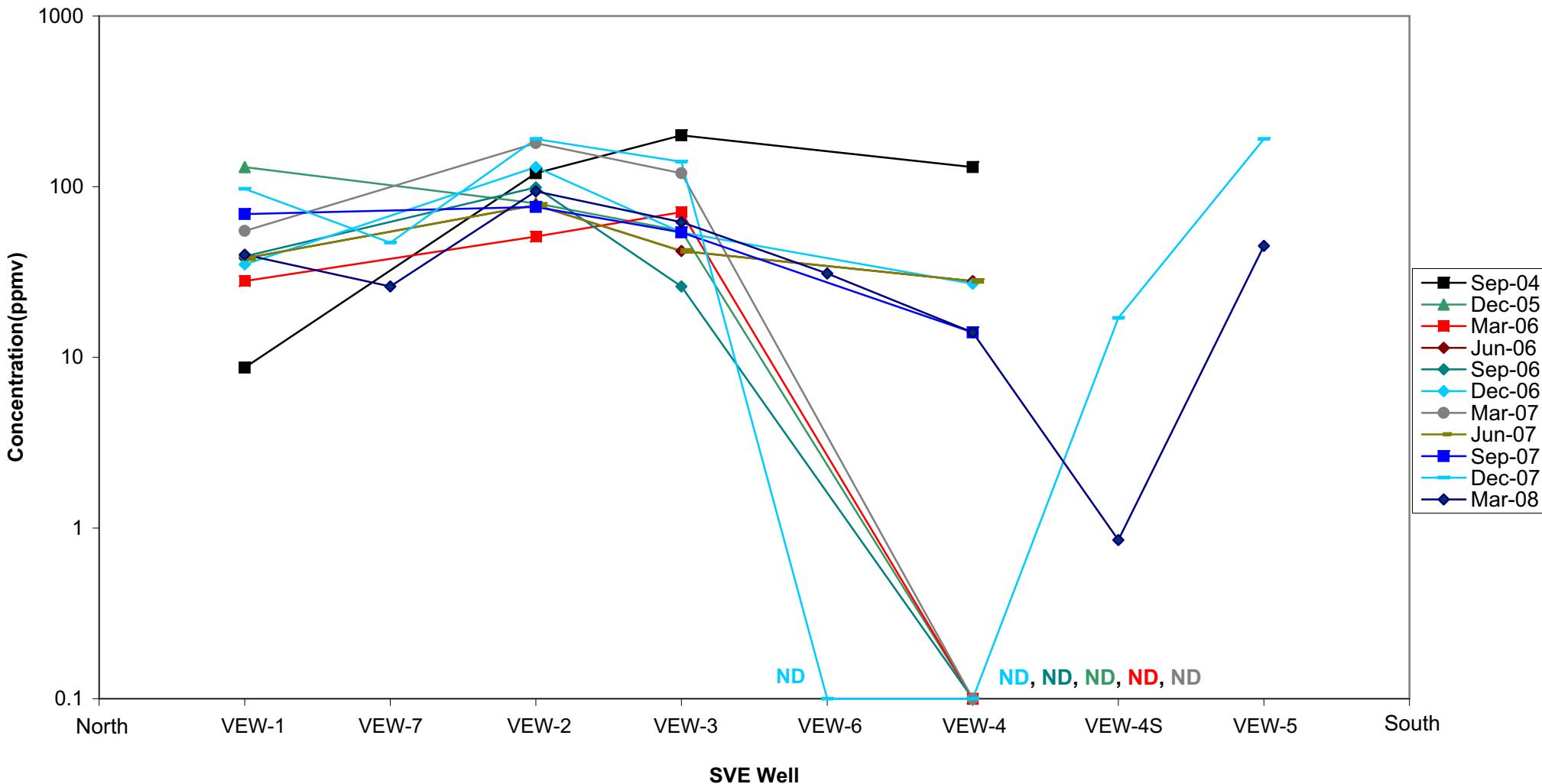


ND = not detected

ppmv = parts per million by volume

TNMOC = total non-methane organic carbon

**Figure 24**  
**1,2-Dichlorobenzene Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**

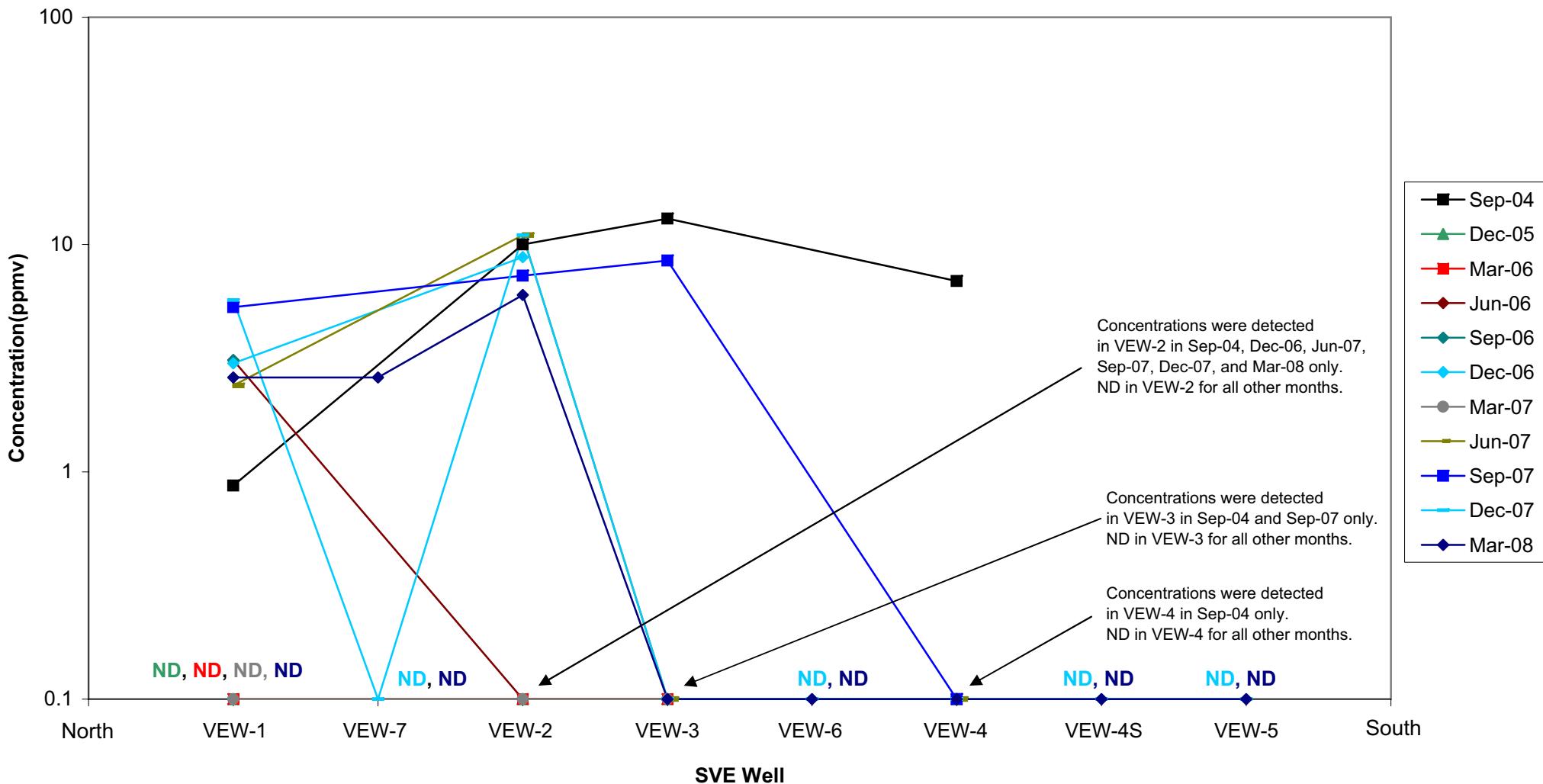


ND = not detected

ppmv = parts per million by volume

TNMOC = total non-methane organic carbon

**Figure 25**  
**1,3-Dichlorobenzene Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**

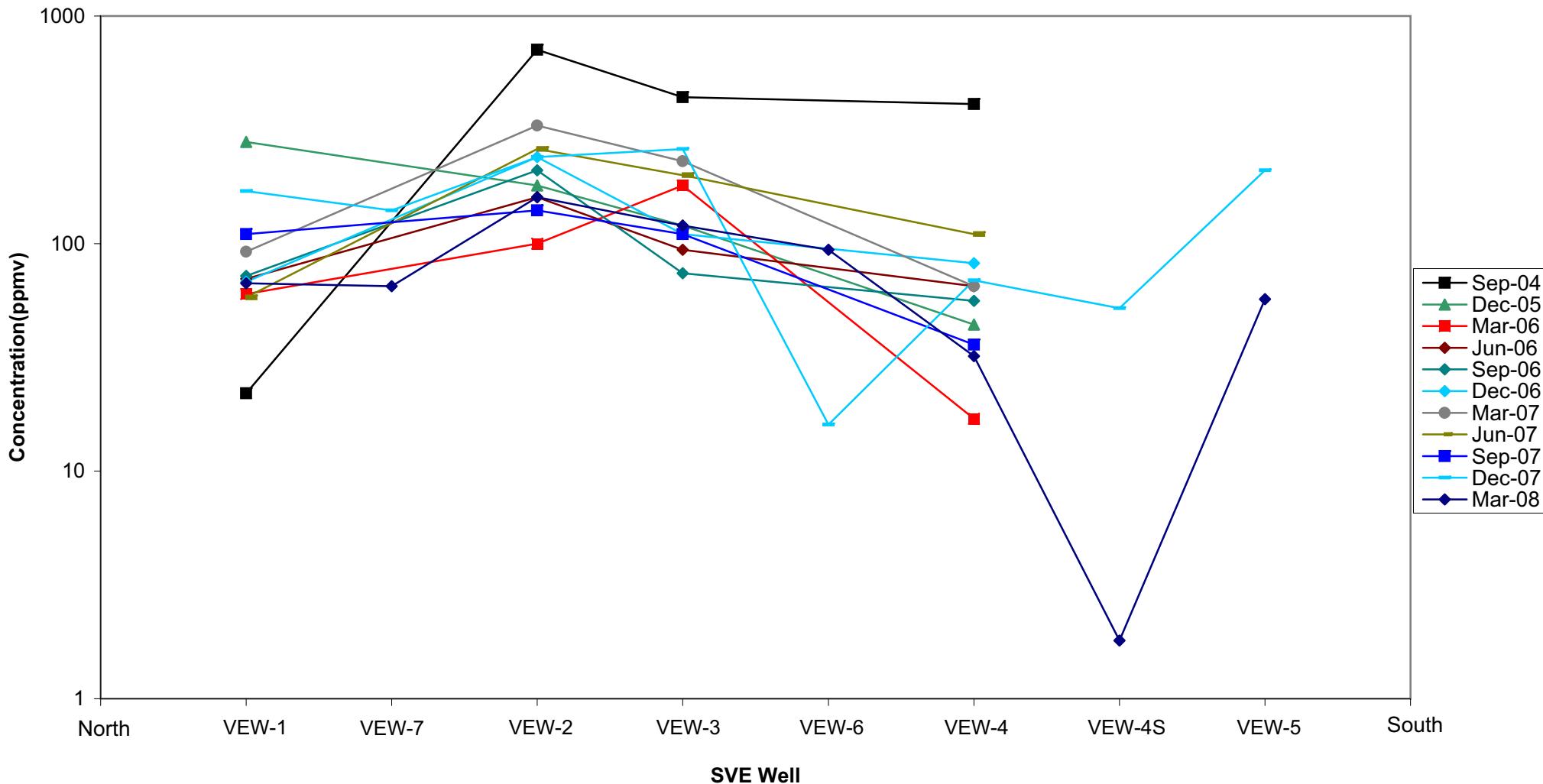


ND = not detected

ppmv = parts per million by volume

TNMOC = total non-methane organic carbon

**Figure 26**  
**1,4-Dichlorobenzene Concentrations for SVE Wells VEW-1 Through VEW-7**  
**(Arranged from North to South)**



Notes:

Concentrations have not been detected in VEW-4S, VEW-5, VEW-6, or VEW-7.

ppmv = parts per million by volume

TNMOC = total non-methane organic carbon

## **TABLES**

**Table 1**  
**SVE Operations Summary - SVE Remedial Action**  
**First Quarter of 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

<u>Date</u>	<u>Time</u>	<u>System Activity Description</u>	<u>Run Time</u> <sup>1,2</sup> <u>(hours)</u>	<u>Average</u> <sup>1,2</sup> <u>Influent Flow</u> <u>Rate</u> <u>(scfm)</u>
1/1/2008	12:00 AM	System running normally at start of month		
1/2/2008	11:36 AM	Temporarily interrupted SVE operations to drain condensate from moisture separator	35.7	416.0
1/2/2008	12:16 PM	Restart system		
1/4/2008	7:26 AM	Two lead vessels nearly spent; turned off for the weekend	43.3	344.6
1/7/2008	8:56 AM	Restart system		
1/8/2008	6:16 AM	Two lead vessels spent; shut off pending carbon change-out.	21.5	355.3
1/8/2008		Conduct carbon change-out		
1/8/2008	9:36 AM	Restart system following carbon change-out		
1/11/2008	8:46 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	71.3	348.9
1/11/2008	9:26 AM	Restart system		
1/14/2008	10:56 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	73.7	353.8
1/14/2008	11:36 AM	Restart system		
1/16/2008	7:56 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	44.5	465.6
1/16/2008	8:46 AM	Restart system		
1/18/2008	6:06 AM	Two lead vessels spent; shut off pending carbon change-out.	45.5	523.4
1/18/2008		Conduct carbon change-out		
1/18/2008	9:26 AM	Restart system		
1/21/2008	10:36 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	73.3	374.0
1/21/2008	11:16 AM	Restart system		
1/28/2008	8:26 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	165.3	450.6
1/28/2008	8:56 AM	Restart system		
1/29/2008	9:06 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	24.3	433.3
1/29/2008	9:56 AM	Restart system		
1/30/2008	6:46 AM	Two lead vessels spent; shut off pending carbon change-out.	21.0	441.1
1/30/2008		Conduct carbon change-out		
1/30/2008	10:36 AM	Restart system		
1/31/2008	11:56 PM	System running normally at end of month	37.5	349.3
<b>January 2008</b>			<b>657.0</b>	<b>407.5<sup>3</sup></b>
2/1/2008	12:00 AM	System running normally at start of month		
2/8/2008	8:16 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	176.0	394.0
2/8/2008	9:26 AM	Restart system		
2/9/2008	10:56 AM	Two lead vessels spent; shut off pending carbon change-out.	25.7	392.9
2/12/2008		Conduct carbon change-out		
2/12/2008	9:36 AM	Restart system following carbon change-out		
2/18/2008	8:26 AM	Temporarily interrupt SVE operations to drain condensate from moisture separator	143.0	440.6
2/18/2008	9:06 AM	Restart system		
2/22/2008	3:56 AM	System automatically shutdown	90.8	425.7

**Table 1**  
**SVE Operations Summary - SVE Remedial Action**  
**First Quarter of 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

<u>Date</u>	<u>Time</u>	<u>System Activity Description</u>	<u>Run Time</u> <sup>1,2</sup> <u>(hours)</u>	<u>Average</u> <sup>1,2</sup> <u>Influent Flow</u> <u>Rate</u> <u>(scfm)</u>
2/22/2008	8:46 AM	Restart system		
2/22/2008		Two lead vessels spent; shut off pending carbon change-out.	0.2	456.5
2/26/2008		Conduct carbon change-out		
2/26/2008	9:16 AM	Restart system following carbon change-out		
2/29/2008	1:36 PM	Two lead vessels nearly spent; turned off for the weekend	76.5	430.2
<b>February 2008</b>			<b>512.2</b>	<b>418.0<sup>3</sup></b>
3/3/2008	9:06 AM	Restarted system		
3/4/2008	12:16 PM	Two lead vessels spent; shut off pending carbon change-out.	27.3	323.0
3/5/2008		Conduct carbon change-out		
3/5/2008	11:46 AM	Restart system following carbon change-out		
3/14/2008	4:46 AM	Two lead vessels spent; shut off pending carbon change-out.	208.7	398.6
3/14/2008		Conduct carbon change-out		
3/14/2008	7:56 AM	Restart system following carbon change-out		
3/24/2008	7:26 AM	Two lead vessels spent; shut off pending carbon change-out.	239.5	352.5
3/25/2008		Conduct carbon change-out		
3/25/2008	7:36 AM	Restart system following carbon change-out		
3/31/2008	8:26 AM	Two lead vessels spent; shut off pending carbon change-out.	145.0	479.6
<b>March 2008</b>			<b>620.5</b>	<b>396.4<sup>3</sup></b>
<b>Totals for First Quarter of 2008</b>			<b>1,789.7</b>	<b>406.7</b>

**Notes:**

1. Run time and average vapor flow rate were determined from electronic programmable logic controller (PLC) data.
2. See Appendix Tables A-2 through A-4 for details on run time and vapor flow rate determination.
3. Time weighted average (twa) used to calculate the average flow rate for each month.

n = number of data entries for the month

t = run time at data entry

f = average flow rate at data entry

t<sub>T</sub> = Total run time for the month

$$F_{twa} = \frac{\sum_{i=1}^n t_i f_i}{t_T}$$

scfm = standard cubic feet per minute

PID = Photoionization Detector

**Table 2A**  
**Soil Vapor Analytical Results - SVE Remedial Action**  
**First Quarter 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

Sampling Location:	SVE Inlet	SVE	Removal Efficiency	SVE Inlet Influent- February			SVE Effluent- February	Removal Efficiency	SVE Inlet	SVE	Removal Efficiency
	Influent- January	Effluent- January							Influent- March	Effluent- March	
Sample Name			January	2/18/08	2/29/08	Average <sup>1</sup>	2/18/08	February <sup>2</sup>	3/19/08	3/19/08	March
<b>VOCs by USEPA Method TO-15 (ppmv)</b>											
Benzene	190	0.0045	> 99.99%	84	370	227	0.0033	> 99.99%	280	0.0035	> 99.99%
Carbon Tetrachloride	32	< 0.0018	100.00%	14	60	37	0.0093	99.93%	46	0.0023	> 99.99%
Chlorobenzene	630	0.0110	> 99.99%	320	1,400	860	< 0.0018	100.00%	1,100	0.0290	> 99.99%
Chloroform	59	0.0180	99.97%	28	110	69	0.0160	99.94%	86	0.0049	99.99%
<b>SVOCs by USEPA Method TO-15 (ppmv)</b>											
1,2-Dichlorobenzene	27	< 0.0018	100.00%	17	80	49	< 0.0018	100.00%	53	0.0028	99.99%
1,3-Dichlorobenzene	< 5.8	< 0.0018	--	< 2.9	< 7.0	< 5.0	< 0.0018	--	< 6.5	< 0.0018	--
1,4-Dichlorobenzene	57	0.0020	> 99.99%	33	160	97	< 0.0018	100.00%	110	0.0051	> 99.99%
<b>VOCs by USEPA Method TO-15 TICs (Library Search) (ppmv)</b>											
No peaks found	ND	ND	--	ND	ND	--	ND	--	ND	ND	--
<b>SVOCs by USEPA Method TO-15 TICs (Library Search) (ppmv)</b>											
No peaks found	ND	ND	--	ND	ND	--	ND	--	ND	ND	--
<b>TNMOC and Fixed Gases by USEPA Methods 25C and 3C</b>											
Carbon Dioxide (%)	0.27	NA	--	0.34	1.1	0.72	NA	--	1.10	NA	--
Methane (%)	< 0.0017	NA	--	< 0.0017	< 0.0020	--	NA	--	< 0.0019	NA	--
Nitrogen (%)	86	86	--	82	78	80	82	--	85	84	--
Oxygen (%)	22	22	--	20	20	20	21	--	22	22	--
TNMOC as Hexane (ppmv)*	800	< 3.1	--	480	1,700	1,090	< 3.1	--	1,400	< 3.1	--

**Notes:**

<sup>1</sup>Two influent samples were collected in February due to fluctuating concentrations

<sup>2</sup>The analytical data from the sample collected on 2/18/08 were used to determine removal efficiencies

Analyses by Air Technology Laboratories, Inc. (ATL) of City of Industry, CA

Constituents not shown were not detected by these analytical methods

Laboratory report copies are provided in Appendix B

-- = not applicable

\* TNMOC concentration in sample without nitrogen & moisture corrections

< = Concentration is less than laboratory reporting limit (RL)

NA = not analyzed

ND = not detected; no peaks found by laboratory during TIC analysis

ppmv = parts per million by volume

SVOCs = Semivolatile Organic Compounds

TICs = Tentatively Identified Compounds

TNMOC = Total non-methane organic carbon

TO = toxic organics

VOCs = Volatile Organic Compounds

**Table 2B**  
**Historical Soil Vapor Analytical Results For Vapor Extraction Wells – SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Sample Location		VIEW-1										
Sample ID		VIEW-1-1	VIEW-1	SVW-1	VIEW 1	VIEW 1	VIEW 1	VIEW 1	SVIEW 1	VIEW 1	VIEW 1	VIEW 1
Sample Date		9/9/2004	12/15/05	3/8/06	6/14/06	9/28/06	12/8/06	3/19/07	6/14/07	9/13/07	12/17/07	3/19/08
<b>VOCs/SVOCs by USEPA Method TO-14(A)15 (ppmv)</b>												
Benzene		1,500	65	28	20	18	16	< 8.4	4.1	6.5	4.4	1.1
Carbon Tetrachloride		320	< 12	< 4.0	3.6	3.1	2.6	< 8.4	1.3	2.7	< 1.1	< 0.67
Chlorobenzene		2,300	1,500	510	440	410	390	270	170	280	360	140
Chloroform		56	13	6.3	6.6	6.5	5.9	< 8.4	2.0	3.5	1.2	< 0.67
1,2-Dichlorobenzene		8.7	130	28	38	39	35	55	35	69	97	40
1,3-Dichlorobenzene		0.87	< 12	< 4.0	3.1	3.1	3.0	< 8.4	2.4	5.3	5.7	2.6
1,4-Dichlorobenzene		22	280	60	70	72	68	92	58	110	170	67
Methylene Chloride		4.1	< 12	< 4.0	< 2.2	< 2.2	< 2.2	< 8.4	< 1	< 1.2	< 1.1	< 0.67
Tetrachloroethene (PCE)		0.66	< 12	< 4.0	< 2.2	< 2.2	< 2.2	< 8.4	< 1	< 1.2	< 1.1	< 0.67
Toluene		1.4	< 12	< 4.0	< 2.2	< 2.2	< 2.2	< 8.4	< 1	< 1.2	< 1.1	< 0.67
4-Ethyl Toluene		ND	ND	ND	ND	ND	< 2.2	< 8.4	< 1	< 1.2	< 1.1	< 0.67
Total Xylenes		ND	ND	ND	ND	ND	< 4.4	< 16.8	< 1	< 1.2	< 1.1	< 0.67
Trichlorethene (TCE)		NA	< 12	< 4.0	< 2.2	< 2.2	< 2.2	< 8.4	< 1	< 1.2	< 1.1	< 0.67
USEPA Method TO-15 TICs (ppmv) Search (Library)	Alkane, C <sub>9</sub>	NA	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
	Alkane, C <sub>11</sub>	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cyclohexane	NA	ND	< 20	< 11	ND	ND	ND	ND	ND	ND	ND
	3,3-Dimethyl Hexane	NA	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,7-Dimethyl Undecane	NA	210	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Eicosane	NA	190	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl Undecane	NA	61	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetradecane	NA	85	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	< 1.2	< 24	< 8.1	< 4.3	ND	ND	ND	ND	ND	ND	ND
<b>TNMOC by SCAQMD 25.1M and USEPA Method 25C; Fixed Gases by USEPA Method 3C</b>												
Nitrogen (%)		73.7	82	NA	86	78	73	75	81	75	78	74
Oxygen (%)*		20.4	24	NA	23	21	21	22	18	21	21	20
TNMOC as Hexane (ppmv)**		NA	1,900	880	750	740	800	490	370	520	450	320
Carbon Monoxide (ppmv)		< 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide (%)		4.3	NA	NA	NA	1.0	NA	0.79	NA	NA	5.1	11
Methane (%)		5.1	NA	NA	NA	< 0.022	NA	< 0.0017	NA	NA	0.0026	< 0.0017
TGNMO as Methane (ppmv)		29,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

Analyses by Air Technology Laboratories, Inc. (ATL), CA  
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 < = Concentration is less than reporting limit (RL)  
 NA = not analyzed  
 ND = not detected (TICs not reported; no peak on chromatograph)  
 ppmv = parts per million by volume

SCAQMD = South Coast Air Quality Management District

\* Oxygen plus Argon (%)

SVOCs = Semivolatile Organic Compounds

\*\* TNMOC concentration in sample without nitrogen & moisture corrections

TICs = Tentatively Identified Compounds

<sup>1</sup>Total concentration reported for two C<sub>9</sub> Alkanes for June 2006

TNMOC = Total non-methane organic carbon

<sup>2</sup>Total concentration reported for two C<sub>11</sub> Alkanes for June 2006

USEPA = United States Environmental Protection Agency

VOCs = Volatile Organic Compounds

**Table 2B**  
**Historical Soil Vapor Analytical Results For Vapor Extraction Wells – SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Sample Location		VIEW-2										
Sample ID		VIEW-2-1	VIEW-2	SVW-2	VIEW 2	VIEW 2	VIEW 2	SVIEW 2	VIEW 2	VIEW 2	VIEW 2	VIEW 2
Sample Date		9/9/2004	12/15/05	3/8/06	6/14/06	9/28/06	12/8/06	3/19/07	6/14/07	9/13/07	12/17/07	3/19/08
<b>VOCs/SVOCs by USEPA Method TO-14(A)15 (ppmv)</b>												
Benzene		5,100	600	230	280	330	270	140	130	79	55	30
Carbon Tetrachloride		980	99	36	45	50	41	21	23	14	8.8	< 3.7
Chlorobenzene		16,000	2,500	1,200	1,600	1,800	1,400	1,100	1,000	550	630	430
Chloroform		1,200	150	56	65	74	53	26	33	20	12	7.8
1,2-Dichlorobenzene		120	80	51	78	99	130	180	140	76	190	94
1,3-Dichlorobenzene		10	< 12	< 8.1	< 11	< 8.8	8.8	< 19	11	7.3	11	6.0
1,4-Dichlorobenzene		710	180	100	160	210	240	330	260	140	240	160
Methylene Chloride		13	< 12	< 8.1	< 11	< 8.8	< 7.3	< 19	< 8.4	< 4.2	< 6.2	< 3.7
Tetrachloroethene (PCE)		< 1.8	< 12	< 8.1	< 11	< 8.8	< 7.3	< 19	< 8.4	< 4.2	< 6.2	< 3.7
Toluene		23	< 12	< 8.1	< 11	< 8.8	< 7.3	< 19	< 8.4	< 4.2	< 6.2	< 3.7
4-Ethyl Toluene		ND	ND	ND	ND	ND	< 7.3	< 19	< 19	< 4.2	< 6.2	< 3.7
Total Xylenes		ND	ND	ND	ND	ND	< 14.6	< 38	< 38	< 4.2	< 6.2	< 3.7
Trichloroethene (TCE)		< 1.8	< 12	< 8.1	< 11	< 8.8	< 7.3	< 19	< 8.4	< 4.2	< 6.2	< 3.7
USEPA Method TO-15 TICs (Library Search) (ppmv)	Alkane, C <sub>9</sub>	NA	ND	< 40	ND	ND	ND	ND	ND	ND	ND	ND
	Alkane, C <sub>11</sub>	NA	ND	ND	330 <sup>2</sup>	ND	ND	ND	ND	ND	ND	ND
	Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3,3-Dimethyl Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,7-Dimethyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Eicosane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetradecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	< 3.5	< 24	< 16	< 22	ND	ND	ND	ND	ND	ND	ND
<b>TNMOC by SCAQMD 25.1M and USEPA Method 25C; Fixed Gases by USEPA Method 3C</b>												
Nitrogen (%)		72.6	81	NA	84	78	74	76	80	75	81	82
Oxygen (%)*		19.0	23	NA	22	21	22	22	19	20	22	23
TNMOC as Hexane (ppmv)**		NA	5,400	2,700	3,300	2,700	3,800	1,900	1,600	1,400	1,300	900
Carbon Monoxide (ppmv)		3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide (%)		5.60	NA	NA	NA	0.57	NA	0.36	NA	NA	0.57	1.5
Methane (%)		< 3	NA	NA	NA	< 0.0022	NA	< 0.0019	NA	NA	< 0.0015	< 0.0016
TGNMO as Methane (ppmv)		92,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

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ppmv = parts per million by volume

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SVOCs = Semivolatile Organic Compounds

TGNMO = Total Gaseous Non-Methane Organics

TICs = Tentatively Identified Compounds

TNMOC = Total non-methane organic carbon

USEPA = United States Environmental Protection Agency

VOCs = Volatile Organic Compounds

\* Oxygen plus Argon (%)

\*\* TNMOC concentration in sample without nitrogen & moisture corrections

<sup>1</sup> Total concentration reported for two C<sub>9</sub> Alkanes for June 2006

<sup>2</sup> Total concentration reported for two C<sub>11</sub> Alkanes for June 2006

**Table 2B**  
**Historical Soil Vapor Analytical Results For Vapor Extraction Wells – SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Sample Location		VIEW-3											
Sample ID		VIEW-3-1	VIEW-3	SVW-3-1	VIEW 3	VIEW 3	VIEW 3	SVIEW 3	VIEW 3	VIEW 3	VIEW 3 <sup>3</sup>	VIEW 3	
Sample Date		9/9/2004	12/15/05	3/8/06	6/14/06	9/28/06	12/8/06	3/19/07	6/14/07	9/13/07	12/17/07	1/3/08	3/19/08
<b>VOCs/SVOCs by USEPA Method TO-14(A)15 (ppmv)</b>													
Benzene		2,700	2,300	1,500	1,500	1,400	1,100	920	1,100	830	230	280	34
Carbon Tetrachloride		1,800	540	370	320	280	220	160	190	140	33	42	5.1
Chlorobenzene		3,100	2,700	2,700	2,100	2,200	1,700	1,800	2,100	1,300	1,200	1,300	450
Chloroform		2,000	400	290	280	280	220	180	250	190	53	67	11
1,2-Dichlorobenzene		200	55	71	42	26	54	120	99	54	140	130	62
1,3-Dichlorobenzene		13	< 20	< 15	< 19	< 8.8	< 8.6	< 24	< 23	8.5	< 9.2	< 11	< 3.7
1,4-Dichlorobenzene		440	120	180	94	74	110	230	200	110	260	270	120
Methylene Chloride		6	< 20	< 15	< 19	< 8.8	< 8.6	< 24	< 23	< 5.1	< 9.2	< 11	< 3.7
Tetrachloroethene (PCE)		5.8	< 20	< 15	< 19	< 8.8	< 8.6	< 24	< 23	< 5.1	< 9.2	< 11	< 3.7
Toluene		5.3	< 20	< 15	< 19	< 8.8	< 8.6	< 24	< 23	< 5.1	< 9.2	< 11	< 3.7
4-Ethyl Toluene		ND	ND	ND	ND	ND	< 8.6	< 24	< 24	< 5.1	< 9.2	< 11	< 3.7
Total Xylenes		ND	ND	ND	ND	ND	< 17.2	< 48	< 48	< 5.1	< 9.2	< 11	< 3.7
Trichloroethene (TCE)		2.2	< 20	< 15	< 19	< 8.8	< 8.6	< 24	< 23	< 5.1	< 9.2	< 11	< 3.7
US EPA Method TO-15 TICs (ppmv) Search (ppmv)	Alkane, C <sub>9</sub>	NA	ND	< 40	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Alkane, C <sub>11</sub>	NA	ND	ND	520 <sup>2</sup>	ND	ND	ND	ND	ND	ND	ND	ND
	Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3,3-Dimethyl Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,7-Dimethyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Eicosane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetradecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	4	< 40	< 30	< 37	ND	ND	ND	ND	ND	ND	ND	ND
<b>TNMOc by SCAQMD 25.1M and USEPA Method 25C; Fixed Gases by USEPA Method 3C</b>													
Nitrogen (%)		70.1	81	NA	83	78	74	74	78	77	83	80	82
Oxygen (%)*		17.9	23	NA	22	20	20	21	22	18	21	20	23
TNMOc as Hexane (ppmv)**		NA	8,100	4,800	5,200	4,300	4,900	3,300	3,600	3,300	1,500	1,900	820
Carbon Monoxide (ppmv)		60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide (%)		10.40	NA	NA	NA	1.10	NA	0.46	NA	NA	0.34	0.53	0.54
Methane (%)		4.9	NA	NA	NA	< 0.0022	NA	< 0.0024	NA	NA	< 0.0021	< 0.0016	
TGNMO as Methane (ppmv)		78,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

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TGNMO = Total Gaseous Non-Methane Organics

TNMOc = Total non-methane organic carbon

USEPA = United States Environmental Protection Agency

VOCs = Volatile Organic Compounds

\* Oxygen plus Argon (%)

\*\* TNMOc concentration in sample without nitrogen & moisture corrections

<sup>1</sup> Total concentration reported for two C<sub>9</sub> Alkanes for June 2006

<sup>2</sup> Total concentration reported for two C<sub>11</sub> Alkanes for June 2006

<sup>3</sup> VIEW-3 re-sampled to verify 12/17/07 results which were not consistent with recent trends

<sup>4</sup> Potentially false result; may contain vapors from VIEW-4S, 5, and 6

**Table 2B**  
**Historical Soil Vapor Analytical Results For Vapor Extraction Wells – SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Sample Location		VIEW-4												
Sample ID		VIEW-4-1	VIEW-4	SVW-4	VIEW 4	VIEW 4	VIEW 4	VIEW 4 <sup>3</sup>	VIEW 4	SVIEW 4	VIEW 4	VIEW 4 <sup>5</sup>	VIEW 4 <sup>4</sup>	VIEW 4
Sample Date		9/9/2004	12/15/05	3/8/06	6/14/06	9/28/06	12/8/06	12/28/06	3/19/07	6/14/07	9/13/07	12/17/07	1/3/08	3/19/08
<b>VOCs/SVOCs by USEPA Method TO-14(A)15 (ppmv)</b>														
Benzene		13,000	5,400	1,500	2,000	1,600	1,500	1,200	670	990	430	1,200	630	44
Carbon Tetrachloride		6,700	1,500	390	570	410	360	330	160	250	110	170	160	11
Chlorobenzene		13,000	4,200	1,900	3,100	3,900	9,700	4,400	2,900	5,100	2,200	3,900	4,200	660
Chloroform		2,000	490	170	290	270	250	250	120	210	110	1,300	110	7.1
1,2-Dichlorobenzene		130	<30	< 8.1	28	< 22	130	27	< 59	45	14	44	< 25	14
1,3-Dichlorobenzene		6.9	< 30	< 8.1	< 19	< 22	<42	<6.6	< 59	< 26	< 11	< 8.5	< 25	< 3.1
1,4-Dichlorobenzene		410	44	17	65	56	280	82	65	110	36	81	69	32
Methylene Chloride		19	< 30	< 8.1	< 19	< 22	< 42	<6.6	< 59	< 26	< 11	< 8.5	< 25	< 3.1
Tetrachloroethene (PCE)		9.4	< 30	< 8.1	< 19	< 22	< 42	<6.6	< 59	< 26	< 11	< 8.5	< 25	< 3.1
Toluene		6	< 30	< 8.1	< 19	< 22	< 42	<6.6	< 59	< 26	< 11	< 8.5	< 25	< 3.1
4-Ethyl Toluene		ND	ND	ND	ND	ND	57	<6.6	< 59	< 59	< 11	< 8.5	< 25	< 3.1
Total Xylenes		ND	ND	ND	ND	ND	177	<13.2	< 118	< 118	< 11	< 8.5	< 25	< 3.1
Trichloroethene (TCE)		5.9	< 30	< 8.1	< 19	< 22	< 42	<6.6	< 59	< 26	< 11	< 8.5	< 25	< 3.1
USEPA Method TO-15 TICs (Library Search) (ppmv)	Alkane, C <sub>9</sub>	NA	ND	< 40	300 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Alkane, C <sub>11</sub>	NA	ND	ND	690 <sup>2</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3,3-Dimethyl Hexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,7-Dimethyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Eicosane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetradecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	9.5	< 60	< 8.1	< 37	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TNMOC by SCAQMD 25.1M and USEPA Method 25C; Fixed Gases by USEPA Method 3C</b>														
Nitrogen (%)		69.3	81	NA	83	78	73	74	74	78	77	81	77	68
Oxygen (%)*		15.4	22	NA	21	19	19	19	21	19	17	21	19	26
TNMOC as Hexane (ppmv)**		NA	16,000	5,300	7,500	6,800	11,000	9,100	4,800	5,200	4,900	3,800	4,500	900
Carbon Monoxide (ppmv)		70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide (%)		7.40	NA	NA	NA	1.90	2.00	1.60	0.92	NA	NA	1.1	0.79	0.27
Methane (%)		5.7	NA	NA	NA	< 0.0022	0.13	<0.0023	< 0.0030	NA	NA	< 0.0019	< 0.0025	< 0.0014
TGNMO as Methane (ppmv)		182,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SVOCs = Semivolatile Organic Compounds  
TICs = Tentatively Identified Compounds  
TGNMO = Total Gaseous Non-Methane Organics  
TNMOC = Total non-methane organic carbon  
USEPA = United States Environmental Protection Agency  
VOCs = Volatile Organic Compounds

\* Oxygen plus Argon (%)

\*\* TNMOC concentration in sample without nitrogen & moisture corrections

<sup>1</sup> Total concentration reported for two C<sub>9</sub> Alkanes for June 2006

<sup>2</sup> Total concentration reported for two C<sub>11</sub> Alkanes for June 2006

<sup>3</sup> VEW-4 re-sampled to verify anomalously high analytical results observed in the sample collected 12/18/06

<sup>4</sup> VEW-4 re-sampled to verify 12/17/07 results which were not consistent with recent trends

<sup>5</sup> Potentially false result; may contain vapors from VEW-4S, 5, and 6

**Table 2B**  
**Historical Soil Vapor Analytical Results For Vapor Extraction Wells – SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Sample Location		VEW-4S		VEW-5		VEW-6		VEW-7	
Sample ID		VEW-4s	VEW-4s	VEW-5	VEW-5	VEW-6	VEW-6	VEW-7	VEW-7
Sample Date		11/29/2007	3/19/2008	11/29/2007	3/19/2008	11/29/2007	3/19/2008	11/29/2007	3/19/2008
<b>VOCs/SVOCs by USEPA Method TO-14(A)15 (ppmv)</b>									
Benzene		130	1.2	5,700	710	840	710	46	5.6
Carbon Tetrachloride		31	0.54	720	87	180	120	12	2.1
Chlorobenzene		1,800	33	11,000	2,000	770	2,100	1,800	450
Chloroform		32	3.7	8,300	820	170	120	17	2.6
1,2-Dichlorobenzene		17	0.85	190	45	< 6.8	31	47	26
1,3-Dichlorobenzene		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	2.6
1,4-Dichlorobenzene		52	1.8	210	57	16	94	140	65
Methylene Chloride		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	< 0.63
Tetrachloroethene (PCE)		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	< 0.63
Toluene		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	< 0.63
4-Ethyl Toluene		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	< 0.63
Total Xylenes		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	< 0.63
Trichloroethene (TCE)		< 15	< 0.30	< 87	< 7.5	< 6.8	< 7.1	< 12	< 0.63
USEPA Method TO-15 TICs (ppmv) Search	Alkane, C <sub>9</sub>	ND	ND	ND	ND	ND	ND	ND	ND
	Alkane, C <sub>11</sub>	ND	ND	ND	ND	ND	ND	ND	ND
	Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND
	3,3-Dimethyl Hexane	ND	ND	ND	ND	ND	ND	ND	ND
	4,7-Dimethyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND
	Eicosane	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl Undecane	ND	ND	ND	ND	ND	ND	ND	ND
	Tetradecane	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
<b>TNMOC by SCAQMD 25.1M and USEPA Method 25C; Fixed Gases by USEPA Method 3C</b>									
Nitrogen (%)		83	85	82	82	82	79	81	89
Oxygen (%)*		19	21	13	21	18	24	20	22
TNMOC as Hexane (ppmv)**		1,700	41	12,000	3,000	1,800	2,800	1,800	450
Carbon Monoxide (ppmv)		NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide (%)		0.64	0.16	6.2	0.71	1.3	0.31	0.81	0.25
Methane (%)		0.012	< 0.0017	< 0.0022	< 0.0017	< 0.0020	< 0.0015	< 0.0025	< 0.0032
TGNMO as Methane (ppmv)		NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

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TGNMO = Total Gaseous Non-Methane Organics  
TNMOC = Total non-methane organic carbon  
USEPA = United States Environmental Protection Agency  
VOCs = Volatile Organic Compounds

Note - Baseline vapor samples collected from VEW-4S, 5, 6, and 7 on 11/29/07

\* Oxygen plus Argon (%)

\*\* TNMOC concentration in sample without nitrogen & moisture corrections

<sup>1</sup> Total concentration reported for two C<sub>9</sub> Alkanes for June 2006

<sup>2</sup> Total concentration reported for two C<sub>11</sub> Alkanes for June 2006

**Table 3**  
**Estimated Mass Removed Summary - SVE Remedial Action**  
**First Quarter 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

	January-08			February-08			March-08		
	Total Run Time <sup>1</sup> =	657.0	hours	512.2	hours	620.5	hours		
Average Flow Rate <sup>1</sup> =	407.5	scfm	418.0	scfm	396.4	scfm			
	Molecular Weight (lb/lb-mole)	Influent Concentration <sup>2</sup> (ppmv)	Mass <sup>3</sup> Removed (lbs)	Influent Concentration <sup>2, 4</sup> (ppmv)	Mass <sup>3</sup> Removed (lbs)	Influent Concentration <sup>2</sup> (ppmv)	Mass <sup>3</sup> Removed (lbs)	Total Mass Removed (lbs)	
<b>VOC USEPA Method TO-15 Constituents</b>									
Benzene	78.1	190	628	227	600	280	850	2,078	
Carbon Tetrachloride	153.8	32	208	37	193	46	275	676	
Chlorobenzene	112.6	630	3,001	860	3,276	1,100	4,814	11,091	
Chloroform	119.4	59	298	69	279	86	399	976	
<b>Total Mass of VOC constituents by USEPA Method TO-15</b>			<b>4,135</b>		<b>4,348</b>		<b>6,338</b>	<b>14,821</b>	
<b>SVOC USEPA Method TO-15 Constituents</b>									
1,2-Dichlorobenzene	147.0	27	168	49	241	53	303	712	
1,3-Dichlorobenzene	147.0	< 5.8	--	< 5.0	--	< 6.5	--	0	
1,4-Dichlorobenzene	147.0	57	354	97	480	110	629	1,463	
<b>Total Mass of SVOC constituents by USEPA Method TO-15</b>			<b>522</b>		<b>721</b>		<b>932</b>	<b>2,175</b>	
<b>Mass of TNMOC by USEPA Method 25C as Hexane</b>	86.2	800	<b>2,917</b>	1,090	<b>3,178</b>	1,400	<b>4,690</b>	<b>10,785</b>	
<b>First Quarter Cumulative Mass of VOC constituents by USEPA Method TO-15</b>			<b>4,135</b>		<b>8,483</b>			<b>14,821</b>	
<b>First Quarter Cumulative Mass of SVOC constituents by USEPA Method TO-15</b>			<b>522</b>		<b>1,243</b>			<b>2,175</b>	
<b>First Quarter Cumulative Mass of TNMOC by USEPA Method 25C as Hexane</b>			<b>2,917</b>		<b>6,095</b>			<b>10,785</b>	

Notes:

<sup>1</sup>Total run time and average flow rate are from Table 1 and Appendix A-2 through A-4.

<sup>2</sup>Constituent concentrations are from Table 2A.

<sup>3</sup>Mass removal calculations are provided in Appendix C.

<sup>4</sup>February Influent concentration data is the average concentration data from the samples collected on 2/18/08 and 2/29/08

< = Result is not detected above laboratory method detection limit (MDL)

lb/lb-mole = pounds per pound-mole

lbs = pounds

ppmv = parts per million by volume

scfm = standard cubic feet per minute

SVOC = semivolatile organic compound

TNMOC = Total non-methane organic carbon

USEPA = United States Environmental Protection Agency

VOC = volatile organic compound

**Table 4**  
**Historical Estimated Mass Removed Summary – SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Quarter	Month -Year			USEPA Method TO-15 Constituents		USEPA Method TO-15 Constituents		USEPA Method TO-13 Constituents		TNMOC	
		Run <sup>1</sup> Time (hours)	Average <sup>1</sup> Flow Rate (scfm)	VOC Mass <sup>2</sup> Removed (lbs)	Cumulative VOC Mass Removed (lbs)	SVOC Mass <sup>2</sup> Removed (lbs)	Cumulative SVOC Mass Removed (lbs)	SVOC Mass <sup>2</sup> Removed (lbs)	Cumulative SVOC Mass Removed (lbs)	Mass <sup>2</sup> Removed (lbs)	Cumulative Mass Removed (lbs)
Third Quarter 2004	Jul-04	0	0	0	0	0	0	0	0	0	0
	Aug-04	0	0	0	0	0	0	0	0	0	0
	Sep-04	74	94	855	855	40	40	0 <sup>1</sup>	0	1,184	1,184
Fourth Quarter 2004	Oct-04	96	202	1,692	2,547	55	95	0 <sup>1</sup>	0	2,229	3,413
	Nov-04	162	260	2,167	4,714	0	95	0 <sup>1</sup>	0	2,512	5,925
	Dec-04	0	0	0	4,714	0	95	0	0	0	5,925
First Quarter 2005	Jan-05	0	0	0	4,714	0	95	0	0	0	5,925
	Feb-05	90	216	1,146	5,860	217	312	0 <sup>1</sup>	0	1,175	7,100
	Mar-05	0	0	0	5,860	0	312	0	0	0	7,100
Subtotal		422	5,860		312		0			7,100	
Second Quarter 2005	Apr-05	428	206	5,854	11,714	1,968	2,280	852	852	5,400	12,500
	May-05	306	202	2,715	14,429	191	2,471	0 <sup>**</sup>	852	2,694	15,194
	Jun-05	10	382	169	14,598	12	2,483	0 <sup>**</sup>	852	166	15,360
Subtotal		744	8,738		2,171		852			8,260	
Third Quarter 2005	Jul-05	4	362	62	14,660	4	2,487	0 <sup>**</sup>	852	64	15,424
	Aug-05	0	0	0	14,660	0	2,487	0	852	0	15,424
	Sep-05	217	350	2,286	16,946	538	3,025	58	910	2,275	17,699
Fourth Quarter 2005	Oct-05	228	319	2,192	19,138	516	3,541	56	966	2,183	19,882
	Nov-05	523	281	3,916	23,054	1,575	5,116	92	1,058	4,803	24,685
	Dec-05	454	359	3,454	26,508	286	5,402	56	1,114	4,330	29,015
Subtotal		1,426	11,910		2,919		262			13,655	
First Quarter 2006	Jan-06	518	323	3,238	29,746	380	5,782	12	1,126	3,415	32,430
	Feb-06	399	341	3,555	33,301	487	6,269	254	1,380	3,884	36,314
	Mar-06	364	397	2,601	35,902	241	6,510	182	1,562	2,947	39,261
Subtotal		1,281	9,394		1,108		448			10,246	
Second Quarter 2006	Apr-06	381	400	3,505	39,407	833	7,343	123	1,685	4,771	44,032
	May-06	367	402	3,049	42,456	223	7,566	293	1,978	3,415	47,447
	Jun-06	567	444	3,874	46,330	1,610	9,176	1,027	3,005	4,454	51,900
Subtotal		1,315	10,428		2,666		1,443			12,640	
Third Quarter 2006	Jul-06	632	392	2,233	48,563	780	9,956	335	3,340	2,398	54,298
	Aug-06	300	420	1,371	49,934	193	10,149	43	3,383	1,887	56,185
	Sep-06	358	462	1,900	51,834	627	10,776	214	3,597	2,476	56,661
Subtotal		1,290	5,504		1,600		592			6,761	
Fourth Quarter 2006	Oct-06	529	432	2,494	54,328	351	11,127	362	3,959	3,114	61,775
	Nov-06	593	395	3839	58,167	799	11,926	41	4,000	4,780	66,555
	Dec-06	517	471	1,115	59,282	301	12,227	89	4,089	1,593	68,148
Subtotal		1,639	7,448		1,451		492			9,487	
First Quarter 2007	Jan-07	522	426	1,844	61,126	792	13,019	0 <sup>1</sup>	4,089	1,908	70,056
	Feb-07	441	399	1,925	63,051	441	13,460	0 <sup>1</sup>	4,089	1,585	71,641
	Mar-07	555	401	1,984	65,035	527	13,987	0 <sup>1</sup>	4,089	2,120	73,761
Subtotal		1,518	5,753		1,760		0			5,613	
Second Quarter 2007	Apr-07	620	348	4,176	69,211	592	14,579	0 <sup>1</sup>	4,089	2,705	76,466
	May-07	645	366	2,821	72,032	792	15,371	0 <sup>1</sup>	4,089	3,210	79,676
	Jun-07	574	386	2,254	74,286	561	15,932	0 <sup>1</sup>	4,089	2,474	82,150
Subtotal		1,839	9,251		1,945		0			8,389	
Third Quarter 2007	Jul-07	647	393	2,419	76,705	828	16,760	0 <sup>1</sup>	4,089	2,322	84,472
	Aug-07	147	371	777	77,482	217	16,977	0 <sup>1</sup>	4,089	662	85,134
	Sep-07	573	405	2,841	80,323	1,200	18,177	0 <sup>1</sup>	4,089	2,245	87,379
Subtotal		1,367	6,037		2,245		0			5,229	
Fourth Quarter 2007	Oct-07	738	349	4,341	84,664	3,022	21,199	0 <sup>1</sup>	4,089	3,860	91,239
	Nov-07	282	382	1,266	85,930	411	21,610	0 <sup>1</sup>	4,089	1,307	92,546
	Dec-07	495	390	3,709	89,639	556	22,166	0 <sup>1</sup>	4,089	2,630	95,176
Subtotal		1,515	9,316		3,989		0			7,797	
First Quarter 2008	Jan-08	657	407	4,135	93,774	522	22,688	0 <sup>1</sup>	4,089	2,917	98,093
	Feb-08	512	418	4,348	98,122	721	23,409	0 <sup>1</sup>	4,089	3,178	101,271
	Mar-08	621	396	6,338	104,460	932	24,341	0 <sup>1</sup>	4,089	4,690	105,961
Subtotal		1,790	14,821		2,175		0			10,785	

**Notes:**

<sup>1</sup>Total run time and average flow rate are from Table 1 and Appendix A-2 through A-4.

<sup>2</sup> Mass removal calculations are provided in Appendix C.

lbs = pounds

scfm = standard cubic feet per minute

SVOC = semi-volatile organic compound

TNMO<sup>C</sup> = Total non-methane organic carbon

TO: Toxic organics

USEPA = United States Environmental Protection Agency

USEPA Method TO-13 analyses by Environmental Analytical Services, Inc. (EAS) of San Luis Obispo, CA

USEPA Method TO-15 analyses by Air Technology Laboratories, Inc. (ATL) of City of Industry, CA

VOC = volatile organic compound

\* = No USEPA Method TO-13 analysis requested; analysis was discontinued during First Quarter 2007

\*\* = USEPA Method TO-13 results not used; exceeded expected and technically feasible range

## **APPENDIX A**

**First Quarter 2008**

**Detailed Records of Run Time  
and other Field Data  
(on CD)**

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## **APPENDIX B**

**Laboratory Reports for January,  
February, and March 2008  
(on CD)**

**Table A-1**  
**Influent Soil Vapor Field Data - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date	Vacuum (P1-101) (inches Hg)	Temperature (°F)	Temperature (°R)	VOC <sup>1</sup> (ppmv)
<b>January 2008</b>				
01/02/08	4	73	533	4150
01/04/08	4	54	514	3050
01/08/08	NR	45	505	2897
01/11/08	4	64	524	3980
01/14/08	4	75	NR	3820
01/16/08	4	45	505	3861
01/18/08	NR	40	500	3806
01/21/08	4	63	523	1658
01/23/08	4.5	53	513	1423
01/25/08	5	69	529	1658
01/28/08	5	62	522	1578
01/30/08	NR	NR	NR	1593
Average <sup>1</sup>	<b>4.3</b>	<b>58.5</b>	<b>516.8</b>	<b>2790</b>
<b>February 2008</b>				
02/01/08	4	65	525	1560
02/04/08	4	59	519	1520
02/06/08	4	71	531	1681
02/08/08	4	65	525	1639
02/09/08	NR	NR	NR	1680
02/14/08	5	64	524	450*
02/15/08	5	60	520	368*
02/18/08	5	74	534	1320
02/20/08	4.5	68	528	2680
02/22/08	NR	NR	NR	2738
02/29/08	5	85	545	4250
Average <sup>1</sup>	<b>4.5</b>	<b>67.9</b>	<b>527.9</b>	<b>2119</b>
<b>March 2008</b>				
03/03/08	NR	NR	NR	4318
03/04/08	NR	NR	NR	4280
03/07/08	4	81	541	2130
03/10/08	4.5	75	535	3150
03/12/08	4	75	535	3097
03/14/08	NR	NR	NR	3050
03/19/08	4.5	64	524	2650
03/21/08	5	82	NR	3560
03/24/08	4	73	533	3230
03/28/08	4.5	74	534	2200
03/31/08	5	79	539	3780
Average <sup>1</sup>	<b>4.3</b>	<b>75.4</b>	<b>534.4</b>	<b>3222</b>

Notes:

<sup>1</sup> Four new SVE wells (VEW-4S, 5, 6, and 7) were activated on 12/12/2007

\* February 14 and 15: Inlet concentration erroneously low due to condensate in the sample pump/tubing; concentrations not used in monthly average

Flow rate recorded at FI-101, FCI Thermal Mass Flow Sensor (Figure 4)

NR = Not recorded

Temperature recorded at TI-101

Vacuum recorded at PI-101

scfm = standard cubic feet per minute

ppmv = parts per million by volume

'F = degrees Fahrenheit

'R = degrees Rankine

Hg = mercury

A-2  
Year 2008 - 1st Quarter 2008

July 2008 - 1st Quarter 2008

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Medical Action

Flow Rates for January 2008 - 1st Quarter 2008																																											
SVS Remediation Project																																											
Montrose Chemical Corporation, Henderson, Nevada																																											
Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM	Date/Time	Elapsed Time	Influent Flow SCFM	Effluent Flow SCFM								
mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes	mm/dd/yy hh:mm:ss	Minutes						
01/02/08 03:58:48	1680	406,3126	1747,1793	01/03/08 16:06:48	1680	380,4683	1499,7502	01/03/08 16:16:48	1680	350,9454	1500,0315	01/03/08 16:26:48	1680	361,5001	1497,9690	01/03/08 16:36:48	1680	468,8985	1494,8752	01/02/08 12:36:48	1680	531,2814	1488,6877	01/01/08 13:46:48	1680	308,6878	1494,7529	01/02/08 15:06:48	1680	500,2969	1493,1067	01/01/08 16:48:48	1680	348,4766	1271,2843	01/01/08 17:48:48	1680	500,2969	1493,1067	01/01/08 17:48:48	1680	348,4766	1271,2843
01/02/08 04:06:48	1690	410,9610	1725,1790	01/03/08 16:16:48	1690	360,8672	1499,5315	01/03/08 16:26:48	1700	362,5313	1498,5002	01/03/08 16:36:48	1700	358,8070	1499,5002	01/03/08 16:46:48	1700	352,4568	1490,2502	01/02/08 12:46:48	1690	383,1283	1493,5155	01/01/08 13:56:48	1690	341,5251	1489,5315	01/02/08 15:26:48	1690	300,5815	1380,3127	01/01/08 16:46:48	1690	341,3826	1274,7815	01/01/08 17:46:48	1690	341,3826	1274,7815				
01/02/08 04:16:48	1690	407,5759	1742,3752	01/03/08 16:26:48	1690	357,2579	1490,0002	01/03/08 16:36:48	1700	356,4283	1490,0002	01/03/08 16:46:48	1700	354,4863	1490,0002	01/03/08 17:06:48	1700	354,4863	1490,0002	01/02/08 12:56:48	1690	383,0251	1493,5127	01/01/08 13:56:48	1690	341,4251	1489,5315	01/02/08 15:36:48	1690	353,4746	1489,5315	01/01/08 16:36:48	1690	341,4251	1489,5315								
01/02/08 04:36:48	1690	399,0000	1707,1790	01/03/08 16:36:48	1690	357,5544	1490,0002	01/03/08 16:46:48	1700	356,5546	1490,0002	01/03/08 17:06:48	1700	356,5546	1490,0002	01/03/08 17:46:48	1700	356,5546	1490,0002	01/02/08 12:56:48	1690	383,0251	1493,5127	01/01/08 13:56:48	1690	341,4251	1489,5315	01/02/08 15:36:48	1690	353,4746	1489,5315	01/01/08 16:36:48	1690	341,4251	1489,5315								
01/02/08 04:36:48	1720	412,3438	1745,0002	01/03/08 16:46:48	1720	346,9297	1494,3752	01/03/08 17:06:48	1730	365,6251	1497,9690	01/03/08 17:46:48	1730	355,2491	1497,4690	01/03/08 18:06:48	1730	355,2491	1497,4690	01/02/08 12:56:48	1720	383,2104	1493,5127	01/01/08 13:56:48	1720	352,9360	1276,1565	01/02/08 15:56:48	1720	320,9424	1370,5627	01/01/08 16:56:48	1720	352,9424	1370,5627								
01/02/08 04:46:48	1740	403,9297	1741,1790	01/03/08 17:06:48	1740	357,4844	1497,9690	01/03/08 17:46:48	1750	366,2591	1497,4690	01/03/08 18:06:48	1750	355,4848	1497,4690	01/03/08 18:46:48	1750	355,4848	1497,4690	01/02/08 12:56:48	1740	383,2733	1493,5127	01/01/08 13:56:48	1740	353,3759	1489,5315	01/02/08 15:56:48	1740	323,3759	1276,1565	01/01/08 16:56:48	1740	353,3759	1489,5315								
01/02/08 04:56:48	1740	404,1147	1741,1790	01/03/08 17:16:48	1740	352,4919	1495,3315	01/03/08 17:46:48	1750	352,4919	1495,3315	01/03/08 18:06:48	1750	352,4919	1495,3315	01/03/08 18:46:48	1750	352,4919	1495,3315	01/02/08 12:56:48	1740	383,1612	1493,5127	01/01/08 13:56:48	1740	353,6172	1493,5127	01/02/08 15:56:48	1740	323,6172	1276,1565	01/01/08 16:56:48	1740	353,6172	1493,5127								
01/02/08 04:56:48	1760	403,5840	1745,0002	01/03/08 17:26:48	1760	355,1876	1497,4690	01/03/08 17:46:48	1770	355,1876	1497,4690	01/03/08 18:06:48	1770	355,1876	1497,4690	01/03/08 18:46:48	1770	355,1876	1497,4690	01/02/08 12:56:48	1760	383,2733	1493,5127	01/01/08 13:56:48	1760	353,3759	1489,5315	01/02/08 15:56:48	1760	323,3759	1276,1565	01/01/08 16:56:48	1760	353,3759	1489,5315								
01/02/08 04:56:48	1770	408,8985	1741,1790	01/03/08 17:36:48	1770	362,5313	1497,4690	01/03/08 17:46:48	1780	355,7032	1499,5315	01/03/08 18:06:48	1780	355,7032	1499,5315	01/03/08 18:46:48	1780	355,7032	1499,5315	01/02/08 12:56:48	1770	383,2966	1493,5127	01/01/08 13:56:48	1770	353,6172	1493,5127	01/02/08 15:56:48	1770	323,6172	1276,1565	01/01/08 16:56:48	1770	353,6172	1493,5127								
01/02/08 04:56:48	1770	408,8985	1741,1790	01/03/08 17:46:48	1770	362,5313	1497,4690	01/03/08 17:56:48	1780	355,7032	1499,5315	01/03/08 18:06:48	1780	355,7032	1499,5315	01/03/08 18:46:48	1780	355,7032	1499,5315	01/02/08 12:56:48	1770	383,2966	1493,5127	01/01/08 13:56:48	1770	353,6172	1493,5127	01/02/08 15:56:48	1770	323,6172	1276,1565	01/01/08 16:56:48	1770	353,6172	1493,5127								
01/02/08 04:56:48	1780	408,8985	1741,1790	01/03/08 17:56:48	1780	362,5313	1497,4690	01/03/08 18:06:48	1790	355,7032	1499,5315	01/03/08 18:46:48	1790	355,7032	1499,5315	01/03/08 19:06:48	1790	355,7032	1499,5315	01/02/08 12:56:48	1780	383,2966	1493,5127	01/01/08 13:56:48	1780	353,6172	1493,5127	01/02/08 15:56:48	1780	323,6172	1276,1565	01/01/08 16:56:48	1780	353,6172	1493,5127								
01/02/08 04:56:48	1790	409,9579	1749,0002	01/03/08 18:06:48	1790	362,5313	1497,4690	01/03/08 18:46:48	180																																		



**A-2**  
**Rates for January 2008 - 1st Quarter 2008**  
**SVE Remedial Action**

**A-2**  
**Rates for January 2008 - 1st Quarter 2008**  
**SVE Remedial Action**

Flow Rates for January 2008 - 1st Quarter 2008		
SVE Remedial Action		
Montrose Chemical Corporation, Henderson, Nevada		
Date/Time	Elapsed Time	Influent Flow SCFM
mm/dd/yy hh:mm:ss	Minutes	SCFM
01/26/08	03:16:48	6730
01/26/08	03:26:48	6740
01/26/08	03:36:48	6750
01/26/08	03:46:48	6760
01/26/08	03:56:48	6770
01/26/08	04:06:48	6780
01/26/08	04:16:48	6790
01/26/08	04:26:48	6800
01/26/08	04:36:48	6810
01/26/08	04:46:48	6820
01/26/08	04:56:48	6830
01/26/08	05:06:48	6840
01/26/08	05:16:48	6850
01/26/08	05:26:48	6860
01/26/08	05:36:48	6870
01/26/08	05:46:48	6880
01/26/08	05:56:48	6890
01/26/08	06:06:48	6900
01/26/08	06:16:48	6910
01/26/08	06:26:48	6920
01/26/08	06:36:48	6930
01/26/08	06:46:48	6940
01/26/08	06:56:48	6950
01/26/08	07:06:48	6960
01/26/08	07:16:48	6970
01/26/08	07:26:48	6980
01/26/08	07:36:48	6990
01/26/08	07:46:48	7000
01/26/08	07:56:48	7010
01/26/08	08:06:48	7020
01/26/08	08:16:48	7030
01/26/08	08:26:48	7040
01/26/08	08:36:48	7050
01/26/08	08:46:48	7060
01/26/08	08:56:48	7070
01/26/08	09:06:48	7080
01/26/08	09:16:48	7090
01/26/08	09:26:48	7100
01/26/08	09:36:48	7110
01/26/08	09:46:48	7120
01/26/08	09:56:48	7130
01/26/08	10:06:48	7140
01/26/08	10:16:48	7150
01/26/08	10:26:48	7160
01/26/08	10:36:48	7170
01/26/08	10:46:48	7180
01/26/08	10:56:48	7190
01/26/08	11:06:48	7200
01/26/08	11:16:48	7210
01/26/08	11:26:48	7220
01/26/08	11:36:48	7230
01/26/08	11:46:48	7240
01/26/08	11:56:48	7250
01/26/08	12:06:48	7260
01/26/08	12:16:48	7270
01/26/08	12:26:48	7280
01/26/08	12:36:48	7290
01/26/08	12:46:48	7300
01/26/08	12:56:48	7310
01/26/08	13:06:48	7320
01/26/08	13:16:48	7330
01/26/08	13:26:48	7340
01/26/08	13:36:48	7350
01/26/08	13:46:48	7360
01/26/08	13:56:48	7370
01/26/08	14:06:48	7380
01/26/08	14:16:48	7390
01/26/08	14:26:48	7400
01/26/08	14:36:48	7410
01/26/08	14:46:48	7420
01/26/08	14:56:48	7430
01/26/08	15:06:48	7440
01/26/08	15:16:48	7450
01/26/08	15:26:48	7460
01/26/08	15:36:48	7470
01/26/08	15:46:48	7480
01/26/08	15:56:48	7490
01/26/08	16:06:48	7500
01/26/08	16:16:48	7510
01/26/08	16:26:48	7520
01/26/08	16:36:48	7530
01/26/08	16:46:48	7540
01/26/08	16:56:48	7550
01/26/08	17:06:48	7560
01/26/08	17:16:48	7570
01/26/08	17:26:48	7580
01/26/08	17:36:48	7590
01/26/08	17:46:48	7600
01/26/08	17:56:48	7610
01/26/08	18:06:48	7620
01/26/08	18:16:48	7630
01/26/08	18:26:48	7640
01/26/08	18:36:48	7650
01/26/08	18:46:48	7660
01/26/08	18:56:48	7670
01/26/08	19:06:48	7680
01/26/08	19:16:48	7690
01/26/08	19:26:48	7700
01/26/08	19:36:48	7710
01/26/08	19:46:48	7720
01/26/08	19:56:48	7730
01/26/08	20:06:48	7740
01/26/08	20:16:48	7750
01/26/08	20:26:48	7760
01/26/08	20:36:48	7770
01/26/08	20:46:48	7780
01/26/08	20:56:48	7790
01/26/08	21:06:48	7800
01/26/08	21:16:48	7810
01/26/08	21:26:48	7820
01/26/08	21:36:48	7830
01/26/08	21:46:48	7840
01/26/08	21:56:48	7850
01/26/08	22:06:48	7860
01/26/08	22:16:48	7870
01/26/08	22:26:48	7880
01/26/08	22:36:48	7890
01/26/08	22:46:48	7900
01/26/08	22:56:48	7910
01/26/08	23:06:48	7920
01/26/08	23:16:48	7930
01/26/08	23:26:48	7940
01/26/08	23:36:48	7950
01/26/08	23:46:48	7960
01/26/08	23:56:48	7970
01/27/08	00:06:48	7980
01/27/08	00:16:48	7990
01/27/08	00:26:48	8000
01/27/08	00:36:48	8010
01/27/08	00:46:48	8020
01/27/08	00:56:48	8030
01/27/08	01:06:48	8040
01/27/08	01:16:48	8050
01/27/08	01:26:48	8060
01/27/08	01:36:48	8070
01/27/08	01:46:48	8080
01/27/08	01:56:48	8090
01/27/08	02:06:48	8100
01/27/08	02:16:48	8110
01/27/08	02:26:48	8120
01/27/08	02:36:48	8130
01/27/08	02:46:48	8140
01/27/08	02:56:48	8150
01/27/08	03:06:48	8160
01/27/08	03:16:48	8170
01/27/08	03:26:48	8180
01/27/08	03:36:48	8190
01/27/08	03:46:48	8200
01/27/08	03:56:48	8210
01/27/08	04:06:48	8220
01/27/08	04:16:48	8230
01/27/08	04:26:48	8240
01/27/08	04:36:48	8250
01/27/08	04:46:48	8260
01/27/08	04:56:48	8270
01/27/08	05:06:48	8280
01/27/08	05:16:48	8290
01/27/08	05:26:48	8300
01/27/08	05:36:48	8310
01/27/08	05:46:48	8320
01/27/08	05:56:48	8330
01/27/08	06:06:48	8340
01/27/08	06:16:48	8350
01/27/08	06:26:48	8360
01/27/08	06:36:48	8370
01/27/08	06:46:48	8380
01/27/08	06:56:48	8390
01/27/08	07:06:48	8400
01/27/08	07:16:48	8410
01/27/08	07:26:48	8420
01/27/08	07:36:48	8430
01/27/08	07:46:48	8440
01/27/08	07:56:48	8450
01/27/08	08:06:48	8460
01/27/08	08:16:48	8470
01/27/08	08:26:48	8480
01/27/08	08:36:48	8490
01/27/08	08:46:48	8500
01/27/08	08:56:48	8510
01/27/08	09:06:48	8520
01/27/08	09:16:48	8530
01/27/08	09:26:48	8540
01/27/08	09:36:48	8550
01/27/08	09:46:48	8560
01/27/08	09:56:48	8570
01/27/08	10:06:48	8580
01/27/08	10:16:48	8590
01/27/08	10:26:48	8600
01/27/08	10:36:48	8610
01/27/08	10:46:48	8620
01/27/08	10:56:48	8630
01/27/08	11:06:48	8640
01/27/08	11:16:48	8650
01/27/08	11:26:48	8660
01/27/08	11:36:48	8670
01/27/08	11:46:48	8680
01/27/08	11:56:48	8690
01/27/08	12:06:48	8700
01/27/08	12:16:48	8710
01/27/08	12:26:48	8720
01/27/08	12:36:48	8730
01/27/08	12:46:48	8740
01/27/08	12:56:48	8750

**A-2**  
**Rates for January 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**The Chemical Corporation, Henderson, Nevada**

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/01/08 00:06:48	10	333.3751	1287.6877	02/08/08 09:26:48	10	412.0782	1471.6565	02/12/08 09:36:48	10	412.6719	1411.3127	02/18/08 09:06:48	10	456.9219	1347.7190	02/22/08 08:46:48	10	456.461	1282.2502	02/26/08 09:16:48	10	446.6563	1400.4377
02/01/08 00:16:48	20	342.7969	1286.2502	02/08/08 09:36:48	20	407.9454	1468.0315	02/12/08 09:46:48	20	381.6251	1448.4377	02/18/08 09:16:48	20	439.2969	1357.9690					02/26/08 09:26:48	20	445.1094	1379.2815
02/01/08 00:26:48	30	338.9141	1283.9065	02/08/08 09:46:48	30	403.8204	1467.0002	02/12/08 09:56:48	30	514.8126	1299.3752	02/18/08 09:26:48	30	435.7501	1332.2190		0.2			02/26/08 09:36:48	30	448.5313	1407.5002
02/01/08 00:36:48	40	340.6094	1282.0002	02/08/08 09:56:48	40	408.3829	1472.6877	02/12/08 10:06:48	40	498.7501	1358.5627	02/18/08 09:36:48	40	434.7891	1346.2502		456.5	1282.3		02/26/08 09:46:48	40	440.8438	1392.0627
02/01/08 00:46:48	50	329.3672	1256.8127	02/08/08 10:06:48	50	403.3047	1465.4690	02/12/08 10:16:48	50	493.5860	1364.2190	02/18/08 09:46:48	50	443.4922	1359.0627					02/26/08 09:56:48	50	443.4922	1379.7190
02/01/08 00:56:48	60	337.6329	1279.5315	02/08/08 10:16:48	60	402.1797	1466.4690	02/12/08 10:26:48	60	491.0001	1351.3127	02/18/08 09:56:48	60	439.4297	1344.6877					02/26/08 10:06:48	60	444.0782	1394.2502
02/01/08 01:06:48	70	332.8594	1266.5002	02/08/08 10:26:48	70	404.8516	1451.5315	02/12/08 10:36:48	70	488.4610	1354.5002	02/18/08 10:06:48	70	433.2344	1336.4377					02/26/08 10:16:48	70	444.1407	1404.6252
02/01/08 01:16:48	80	336.3282	1266.3752	02/08/08 10:36:48	80	402.0938	1462.8440	02/12/08 10:46:48	80	486.3594	1349.7815	02/18/08 10:16:48	80	434.8594	1326.2190					02/26/08 10:26:48	80	436.3360	1394.7502
02/01/08 01:26:48	90	340.6094	1300.5940	02/08/08 10:46:48	90	399.6876	1456.1877	02/12/08 10:56:48	90	488.9376	1347.7190	02/18/08 10:26:48	90	434.7891	1350.8752					02/26/08 10:36:48	90	440.9766	1391.1565
02/01/08 01:36:48	100	336.2110	1288.9377	02/08/08 10:56:48	100	399.6876	1443.7815	02/12/08 11:06:48	100	487.9063	1353.3752	02/18/08 10:36:48	100	431.9922	1339.7815					02/26/08 10:46:48	100	440.3985	1387.9690
02/01/08 01:46:48	110	340.7266	1280.0627	02/08/08 11:06:48	110	405.8829	1457.7190	02/12/08 11:16:48	110	481.7969	1345.2815	02/18/08 10:46:48	110	437.2969	1345.1252					02/26/08 10:56:48	110	437.8829	1384.4377
02/01/08 01:56:48	120	329.5001	1250.2502	02/08/08 11:16:48	120	397.6251	1459.2815	02/12/08 11:26:48	120	483.3047	1341.5940	02/18/08 10:56:48	120	435.7501	1328.0940					02/26/08 11:06:48	120	433.7501	1389.5940
02/01/08 02:06:48	130	326.7891	1268.1877	02/08/08 11:26:48	130	404.3360	1453.5940	02/12/08 11:36:48	130	484.2891	1346.6565	02/18/08 11:06:48	130	433.2344	1334.3752					02/26/08 11:16:48	130	436.8516	1384.9377
02/01/08 02:16:48	140	336.7266	1283.7815	02/08/08 11:36:48	140	396.5001	1454.0940	02/12/08 11:46:48	140	478.6563	1332.3127	02/18/08 11:16:48	140	426.6016	1331.8752					02/26/08 11:26:48	140	432.2735	1375.2190
02/01/08 02:26:48	150	334.6563	1278.6252	02/08/08 11:46:48	150	397.2032	1439.6877	02/12/08 11:56:48	150	485.9219	1344.2502	02/18/08 11:26:48	150	430.1407	1333.8440					02/26/08 11:36:48	150	438.4688	1382.9377
02/01/08 02:36:48	160	329.5001	1281.2190	02/08/08 11:56:48	160	399.0860	1447.3752	02/12/08 12:06:48	160	481.7110	1346.6565	02/18/08 11:36:48	160	428.5938	1331.7815					02/26/08 11:46:48	160	431.6172	1390.0627
02/01/08 02:46:48	170	335.4454	1276.3127	02/08/08 12:06:48	170	395.1407	1460.3127	02/12/08 12:16:48	170	480.1563	1346.1565	02/18/08 11:46:48	170	426.5313	1315.2815					02/26/08 11:56:48	170	428.0782	1386.5002
02/01/08 02:56:48	180	333.2344	1273.0627	02/08/08 12:16:48	180	395.0469	1440.6877	02/12/08 12:26:48	180	483.7735	1338.4065	02/18/08 11:56:48	180	423.9454	1335.4065					02/26/08 12:06:48	180	429.6954	1377.2815
02/01/08 03:06:48	190	333.7501	1265.3440	02/08/08 12:26:48	190	397.0157	1466.4690	02/12/08 12:36:48	190	476.5938	1350.8752	02/18/08 12:06:48	190	423.8751	1324.9690					02/26/08 12:16:48	190	433.6797	1378.1877
02/01/08 03:16:48	200	335.1719	1276.5627	02/08/08 12:36:48	200	397.0157	1449.4377	02/12/08 12:46:48	200	484.8047	1333.2502	02/18/08 12:16:48	200	415.2579	1328.2815					02/26/08 12:26:48	200	433.2344	1384.4377
02/01/08 03:26:48	210	330.7891	1252.0315	02/08/08 12:46:48	210	395.5626	1450.5002	02/12/08 12:56:48	210	482.2266	1326.5315	02/18/08 12:26:48	210	419.3047	1317.3440					02/26/08 12:36:48	210	433.7501	1381.3440
02/01/08 03:36:48	220	336.6016	1279.5315	02/08/08 12:56:48	220	392.9766	1445.8440	02/12/08 13:06:48	220	472.5157	1329.8127	02/18/08 12:36:48	220	419.7422	1320.3440				</				

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/01/08 12:56:48	780	367.6876	1310.1252	02/08/08 21:56:48	760	386.6876	1456.1565	02/12/08 22:06:48	760	470.8672	1367.3127	02/18/08 21:36:48	760	417.6719	1338.4065	02/26/08 21:46:48	760	428.5938	1389.5940	02/26/08 21:56:48	770	426.5313	1403.0002
02/01/08 13:06:48	790	363.5626	1310.6252	02/08/08 22:06:48	770	391.8516	1468.0315	02/12/08 22:16:48	770	470.4454	1361.8127	02/18/08 21:46:48	770	409.9297	1345.6252	02/26/08 22:06:48	780	429.4766	1402.3752	02/26/08 22:16:48	790	431.1016	1404.0002
02/01/08 13:16:48	800	368.8282	1314.8440	02/08/08 22:16:48	780	386.1719	1486.6252	02/12/08 22:26:48	780	472.4141	1354.4065	02/18/08 21:56:48	780	413.5469	1340.4690	02/26/08 22:26:48	800	432.2032	1398.8752	02/26/08 22:36:48	810	432.7891	1398.4377
02/01/08 13:26:48	810	364.0782	1314.7502	02/08/08 22:26:48	790	385.7579	1470.0940	02/12/08 22:36:48	790	470.8672	1347.1877	02/18/08 22:06:48	790	417.7579	1326.6252	02/26/08 22:26:48	800	415.1719	1341.5940	02/26/08 22:36:48	810	416.6407	1344.0940
02/01/08 13:36:48	820	367.1719	1316.8127	02/08/08 22:36:48	800	388.2422	1476.2815	02/12/08 22:46:48	800	477.1094	1356.5627	02/18/08 22:16:48	800	415.1719	1341.5940	02/26/08 22:26:48	800	432.2032	1398.8752	02/26/08 22:36:48	810	432.7891	1398.4377
02/01/08 13:46:48	830	364.5938	1284.8127	02/08/08 22:46:48	810	384.2032	1473.7190	02/12/08 22:56:48	810	472.9297	1366.8127	02/18/08 22:26:48	810	416.6407	1344.0940	02/26/08 22:46:48	820	416.2032	1333.3440	02/26/08 22:56:48	830	438.3985	1399.4065
02/01/08 13:56:48	840	365.0001	1301.2190	02/08/08 22:56:48	820	385.2422	1468.0315	02/12/08 23:06:48	820	466.7891	1358.1252	02/18/08 22:36:48	820	416.2032	1333.3440	02/26/08 22:56:48	830	410.0157	1334.8752	02/26/08 23:06:48	840	429.1797	1388.6252
02/01/08 14:06:48	850	366.5469	1293.4690	02/08/08 23:06:48	830	386.5938	1469.0315	02/12/08 23:16:48	830	469.8829	1350.3752	02/18/08 22:46:48	830	410.157	1334.8752	02/26/08 23:06:48	840	428.5938	1389.5940	02/26/08 23:16:48	850	431.8360	1384.0315
02/01/08 14:16:48	860	359.4297	1304.9377	02/08/08 23:16:48	840	387.8204	1477.8440	02/12/08 23:26:48	840	472.8829	1352.2815	02/18/08 22:56:48	840	417.3204	1344.2502	02/26/08 23:06:48	850	416.1251	1326.0002	02/26/08 23:16:48	860	432.7891	1389.6565
02/01/08 14:26:48	870	367.6876	1313.7190	02/08/08 23:26:48	850	389.7891	1477.3127	02/12/08 23:36:48	850	476.5469	1366.8127	02/18/08 23:06:48	850	416.1251	1326.0002	02/26/08 23:16:48	860	416.2032	1333.3440	02/26/08 23:26:48	870	435.2344	1397.2815
02/01/08 14:36:48	880	360.6485	1311.8752	02/08/08 23:36:48	860	385.3360	1468.0627	02/12/08 23:46:48	860	472.4141	1348.2190	02/18/08 23:16:48	860	417.1563	1330.1565	02/26/08 23:36:48	870	412.5938	1346.7502	02/26/08 23:46:48	880	424.5391	1401.0002
02/01/08 14:46:48	890	362.5313	1294.1252	02/08/08 23:46:48	870	387.3985	1461.3440	02/12/08 23:56:48	870	474.5235	1373.5940	02/18/08 23:26:48	870	412.5938	1346.7502	02/26/08 23:46:48	880	411.4766	1344.0940	02/26/08 23:56:48	890	428.2266	1402.5940
02/01/08 14:56:48	900	355.8204	1291.5315	02/08/08 23:56:48	880	385.2422	1474.7502	02/13/08 00:06:48	880	469.3672	1360.6877	02/18/08 23:36:48	880	411.4766	1344.0940	02/26/08 23:46:48	890	412.5938	1340.5627	02/26/08 23:56:48	900	428.0782	1401.4690
02/01/08 15:06:48	910	368.2032	1287.4065	02/09/08 00:06:48	890	384.8204	1481.4690	02/13/08 00:16:48	890	477.6251	1347.7815	02/18/08 23:46:48	890	412.5938	1340.5627	02/27/08 00:06:48	900	418.2735	1327.1565	02/27/08 00:16:48	910	412.9454	1326.4377
02/01/08 15:16:48	920	364.5938	1280.1877	02/09/08 00:16:48	900	382.5626	1472.6877	02/13/08 00:26:48	900	477.1094	1346.8440	02/18/08 23:56:48	900	418.2735	1327.1565	02/27/08 00:26:48	920	416.2032	1333.3440	02/27/08 00:36:48	930	429.6251	1396.8127
02/01/08 15:26:48	930	361.9063	1288.3127	02/09/08 00:26:48	910	386.1719	1483.0002	02/13/08 00:36:48	910	468.3829	1349.9377	02/19/08 00:06:48	910	412.9454	1326.4377	02/27/08 00:26:48	920	414.5782	1332.2190	02/27/08 00:36:48	930	429.5547	1407.0940
02/01/08 15:36:48	940	361.5001	1304.9377	02/09/08 00:36:48	920	384.6251	1468.0315	02/13/08 00:46:48	920	469.2657	1345.5627	02/19/08 00:16:48	920	414.5782	1332.2190	02/27/08 00:36:48	930	417.1579	1399.9690	02/27/08 00:46:48	940	427.4844	1399.8752
02/01/08 15:46:48	950	359.4297	1286.3752	02/09/08 00:46:48	930	388.2422	1477.8440	02/13/08 00:56:48	930	469.8282	1353.3752	02/19/08 00:26:48	930	412.0782	1331.7815	02/27/08 00:36:48	940	418.1094	1329.0315	02/27/08 00:46:48	950	432.2032	1378.7502
02/01/08 15:56:48	960	357.8829	1296.1877	02/09/08 00:56:48	940	385.6563	1461.8440	02/13/08 01:06:48	940	466.7891	1351.4065	02/19/08 00:36:48	940	418.1094	1329.0315	02/27/08 00:46:48	950	416.8047	1339.0940	02/27/08 00:56:48	960	429.6251	1396.8127
02/01/08 16:06:48	970	362.4219	1288.8440	02/09/08 01:06:48	950</																		

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	SCFM	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/02/08 01:26:48	1530	353.7579	1295.6565	02/09/08 10:26:48	1510	404.7657	1454.5940	02/13/08 10:36:48	1510	467.3047	1317.3440	02/19/08 10:06:48	1510	422.3204	1325.5002	02/27/08 10:16:48	1510	438.8438	1371.9690	02/27/08 10:26:48	1520	440.9766	1377.7190
02/02/08 01:36:48	1540	353.3516	1307.1252	02/09/08 10:36:48	1520	405.3672	1454.6252	02/13/08 10:46:48	1520	468.2813	1322.4065	02/19/08 10:16:48	1520	430.0704	1311.0315	02/27/08 10:36:48	1530	434.2032	1368.8752	02/27/08 10:46:48	1540	434.7188	1372.5002
02/02/08 01:46:48	1550	354.7891	1314.2502	02/09/08 10:46:48	1530	402.2735	1446.8752	02/13/08 10:56:48	1530	463.1172	1313.6252	02/19/08 10:26:48	1530	433.6797	1329.1252	02/27/08 10:56:48	1550	433.0938	1359.5002	02/27/08 11:06:48	1560	433.2344	1373.5940
02/02/08 01:56:48	1560	352.0938	1311.5627	02/09/08 10:56:48	1540	402.1797	1445.3127	02/13/08 11:06:48	1540	464.2032	1312.1877	02/19/08 10:36:48	1540	426.6016	1313.8127	02/27/08 11:16:48	1570	432.2032	1355.0002	02/27/08 11:26:48	1580	432.2735	1360.2502
02/02/08 02:06:48	1570	355.5938	1314.0315		25.7			02/13/08 11:16:48	1550	463.1172	1313.6252	02/19/08 10:46:48	1550	425.4922	1313.7190	02/27/08 11:36:48	1590	429.1797	1363.3440	02/27/08 11:46:48	1600	423.8751	1365.2502
02/02/08 02:16:48	1580	353.6407	1305.3440		392.8770	1473.1484		02/13/08 11:26:48	1560	463.1172	1316.2190	02/19/08 10:56:48	1560	418.4297	1306.7190	02/27/08 11:56:48	1610	430.5653	1354.5002	02/27/08 12:06:48	1620	429.1094	1368.9377
02/02/08 02:26:48	1590	356.7422	1291.4065					02/13/08 11:36:48	1570	456.9219	1311.5627	02/19/08 11:06:48	1570	422.8360	1318.2815	02/27/08 12:16:48	1630	427.5626	1360.6877	02/27/08 12:26:48	1640	428.6641	1364.9065
02/02/08 02:36:48	1600	356.7422	1291.4065					02/13/08 11:46:48	1580	460.5938	1302.3752	02/19/08 11:16:48	1580	430.0704	1312.0627	02/27/08 12:36:48	1650	433.2344	1373.5940	02/27/08 12:46:48	1660	434.2032	1368.8752
02/02/08 02:46:48	1610	357.3672	1310.6252					02/13/08 11:56:48	1590	459.0469	1305.9690	02/19/08 11:26:48	1590	424.9766	1318.3752	02/27/08 12:56:48	1670	434.7188	1372.5002	02/27/08 12:56:48	1680	426.6797	1358.2815
02/02/08 02:56:48	1620	353.8672	1319.0002					02/13/08 12:06:48	1600	461.5704	1302.7815	02/19/08 11:36:48	1600	419.3047	1309.0940	02/27/08 12:56:48	1690	424.5391	1355.0940	02/27/08 12:56:48	1700	424.1016	1355.1877
02/02/08 03:06:48	1630	355.3047	1307.0002					02/13/08 12:16:48	1610	459.5001	1302.2502	02/19/08 11:46:48	1610	420.9297	1311.2502	02/27/08 12:56:48	1710	422.9141	1326.1252	02/27/08 12:56:48	1720	427.0469	1359.1565
02/02/08 03:16:48	1640	356.3360	1294.1252					02/13/08 12:26:48	1620	461.6251	1298.2502	02/19/08 11:56:48	1620	422.9141	1316.1252	02/27/08 12:56:48	1730	423.4297	1316.8127	02/27/08 12:56:48	1740	428.9454	1347.7815
02/02/08 03:26:48	1650	357.2579	1332.2190					02/13/08 12:36:48	1630	458.0079	1302.3752	02/19/08 12:06:48	1630	423.4297	1316.8127	02/27/08 12:56:48	1750	426.5313	1316.8127	02/27/08 12:56:48	1760	428.5375	1346.2502
02/02/08 03:36:48	1660	354.1563	1308.4690					02/13/08 12:46:48	1640	460.1329	1301.4377	02/19/08 12:16:48	1640	421.3672	1311.6565	02/27/08 12:56:48	1770	424.1016	1355.1877	02/27/08 12:56:48	1780	424.5391	1355.0940
02/02/08 03:46:48	1670	354.8985	1337.5627					02/13/08 12:56:48	1650	450.7891	1301.8440	02/19/08 12:26:48	1650	422.3985	1309.5940	02/27/08 12:56:48	1790	424.1016	1355.1877	02/27/08 12:56:48	1800	424.5391	1355.0940
02/02/08 03:56:48	1680	353.3516	1310.2190					02/13/08 13:06:48	1660	456.8594	1310.9377	02/19/08 12:36:48	1660	427.0469	1305.9690	02/27/08 12:56:48	1810	426.6641	1352.3440	02/27/08 12:56:48	1820	426.9688	1352.3440
02/02/08 04:06:48	1690	350.7735	1312.2815					02/13/08 13:16:48	1670	458.4688	1304.3127	02/19/08 12:46:48	1670	420.7735	1317.2502	02/27/08 12:56:48	1830	427.0469	1346.2502	02/27/08 12:56:48	1840	428.0782	1347.7815
02/02/08 04:16:48	1700	355.0782	1315.0627					02/13/08 13:26:48	1680	455.9454	1300.8127	02/19/08 12:56:48	1680	420.3360	1320.9377	02/27/08 12:56:48	1850	424.5391	1355.0940	02/27/08 12:56:48	1860	424.1016	1355.1877
02/02/08 04:26:48	1710	355.7032	1323.9377					02/13/08 13:36:48	1690	454.3985	1308.5627	02/19/08 13:06:48	1690	426.5313	1316.8127	02/27/08 12:56:48	1870	424.1016	1355.1877	02/27/08 12:56:48	1880	424.5391	1355.0940
02/02/08 04:36:48	1720	354.2735	1324.0315					02/13/08 13:46:48	1700	455.4922	1299.9065	02/19/08 13:16:48	1700	423.5079	1306.0940	02/27/08 12:56:48	1890	424.1016	1355.1877	02/27/08 12:56:48	1900	424.5391	1355.0940
02/02/08 04:46:48	1730	355.8204	1323.5315					02/13/08 13:56:48	1710	457.9532	1312.5940	02/19/08 13:26:48	1710	420.7735	1319.8127	02/27/08 12:56:48	1910	422.9141	1361.7190	02/27/08 12:56			

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	SCFM	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/02/08 13:56:48	2280	354.2735	1292.0627		02/13/08 23:06:48	2260	473.0313	1360.7815	02/19/08 22:36:48	2260	425.4922	1339.0002		02/27/08 22:46:48	2260	429.6251	1373.5940		02/27/08 22:56:48	2270	429.5547	1377.6565	
02/02/08 14:06:48	2290	366.5469	1278.5002		02/13/08 23:16:48	2270	471.8985	1360.6252	02/19/08 22:46:48	2270	432.6485	1337.9065		02/27/08 23:06:48	2280	429.6954	1378.8127		02/27/08 23:16:48	2290	427.9297	1398.7815	
02/02/08 14:16:48	2300	363.9688	1303.2815		02/13/08 23:26:48	2280	475.4610	1367.7815	02/19/08 22:56:48	2280	432.7891	1336.5315		02/27/08 23:26:48	2300	431.3204	1371.6565		02/27/08 23:36:48	2310	429.2579	1376.3127	
02/02/08 14:26:48	2310	363.5626	1274.5002		02/13/08 23:36:48	2290	473.3985	1365.7190	02/19/08 23:06:48	2290	428.5938	1328.6877		02/27/08 23:46:48	2320	428.0001	1327.0627		02/27/08 23:56:48	2330	425.4922	1384.4377	
02/02/08 14:36:48	2320	363.5626	1279.6565		02/13/08 23:46:48	2300	470.3438	1369.9065	02/19/08 23:16:48	2300	430.6563	1335.4065		02/27/08 23:56:48	2330	428.3360	1325.5940		02/27/08 23:56:48	2330	425.4219	1383.8440	
02/02/08 14:46:48	2330	354.7891	1284.8127		02/13/08 23:56:48	2310	469.8282	1369.9065	02/19/08 23:26:48	2310	430.0704	1330.6565		02/27/08 23:56:48	2340	420.4141	1327.2502		02/28/08 00:06:48	2340	423.7188	1384.2502	
02/02/08 14:56:48	2340	362.9376	1297.0940		02/14/08 00:06:48	2320	466.7344	1357.0002	02/19/08 23:36:48	2320	428.0001	1327.0627		02/27/08 23:56:48	2350	420.8516	1331.2815		02/28/08 00:16:48	2350	429.6954	1378.3127	
02/02/08 15:06:48	2350	354.7891	1276.0627		02/14/08 00:16:48	2330	460.0782	1360.1877	02/19/08 23:46:48	2330	420.3360	1325.5940		02/27/08 23:56:48	2360	419.7422	1339.4377		02/28/08 00:26:48	2360	420.2110	1381.4065	
02/02/08 15:16:48	2360	348.4766	1309.5002		02/14/08 00:26:48	2340	469.8282	1346.1565	02/19/08 23:56:48	2340	420.4141	1327.2502		02/27/08 23:56:48	2370	421.3672	1330.2502		02/28/08 00:36:48	2370	427.5626	1380.8127	
02/02/08 15:26:48	2370	360.0626	1293.1877		02/14/08 00:36:48	2350	469.3672	1349.8440	02/20/08 00:06:48	2350	420.8516	1331.2815		02/28/08 00:56:48	2390	417.0782	1324.8752		02/28/08 00:56:48	2390	429.6251	1379.7815	
02/02/08 15:36:48	2380	358.3985	1304.9377		02/14/08 00:46:48	2360	463.6876	1378.7502	02/20/08 00:16:48	2360	419.7422	1339.4377		02/28/08 01:06:48	2390	416.6441	1366.8752		02/28/08 01:06:48	2400	422.3985	1381.8440	
02/02/08 15:46:48	2390	358.0001	1295.7815		02/14/08 00:56:48	2370	462.6563	1379.7815	02/20/08 00:26:48	2370	421.3672	1330.2502		02/28/08 01:16:48	2410	416.6441	1366.8752		02/28/08 01:16:48	2410	427.4844	1379.7190	
02/02/08 15:56:48	2400	354.7891	1299.7815		02/14/08 01:06:48	2380	463.1719	1366.8752	02/20/08 00:36:48	2380	422.8360	1329.6252		02/28/08 01:26:48	2420	417.0782	1324.8752		02/28/08 01:26:48	2420	429.6251	1379.7815	
02/02/08 16:06:48	2410	354.8985	1296.2815		02/14/08 01:16:48	2390	464.6641	1362.6877	02/20/08 00:46:48	2390	417.0782	1324.8752		02/28/08 01:36:48	2440	416.2521	1361.8127		02/28/08 01:36:48	2440	423.9454	1390.1252	
02/02/08 16:16:48	2420	356.4532	1274.6252		02/14/08 01:26:48	2400	461.6251	1377.2190	02/20/08 00:56:48	2400	420.3360	1321.4690		02/28/08 01:46:48	2460	416.7657	1370.7502		02/28/08 01:46:48	2460	422.3985	1378.7502	
02/02/08 16:26:48	2430	357.3672	1285.8440		02/14/08 01:36:48	2410	465.7501	1346.2502	02/20/08 01:06:48	2410	417.2344	1318.8752		02/28/08 01:56:48	2480	417.2344	1315.1565		02/28/08 01:56:48	2480	426.9688	1375.0627	
02/02/08 16:36:48	2440	359.9454	1283.2815		02/14/08 01:46:48	2420	470.8672	1364.2190	02/20/08 01:16:48	2420	419.2266	1315.1565		02/28/08 02:06:48	2510	416.6441	1366.8752		02/28/08 02:06:48	2510	425.9376	1388.5002	
02/02/08 16:46:48	2450	355.1876	1290.9065		02/14/08 01:56:48	2430	468.7501	1355.3752	02/20/08 01:26:48	2430	419.7422	1324.4690		02/28/08 02:16:48	2540	416.2521	1361.6565		02/28/08 02:16:48	2540	424.9766	1390.1252	
02/02/08 16:56:48	2460	350.0235	1276.9690		02/14/08 02:06:48	2440	466.2188	1354.4065	02/20/08 01:36:48	2440	420.2579	1323.4377		02/28/08 02:26:48	2550	416.2521	1361.8127		02/28/08 02:26:48	2550	423.9454	1390.1252	
02/02/08 17:06:48	2470	351.8047	1310.2190		02/14/08 02:16:48	2450	471.8438	1369.8440	02/20/08 01:46:48	2450	419.8204	1316.8127		02/28/08 02:36:48	2560	416.6441	1366.8752		02/28/08 02:36:48	2560	423.4648	1387.0002	
02/02/08 17:16:48	2480	352.2032	1311.1565		02/14/08 02:26:48	2460	466.7344	1371.4690	02/20/08 01:56:48	2460	420.1797	1332.1252		02/28/08 02:46:48	2570	416.6441	1366.8752		02/28/08 02:46:48	2570	430.0704	1375.5940	
02/02/08 17:26:48	2490	352.6094	1279.5315		02/14/08 02:36:48	2470	466.7891	1373.5940	02/20/08 02:06:48	2470	421.8047	1319.8127		02/28/08 02:56:48	2580	416.6441	13						

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	SCFM	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/03/08 02:26:48	3030	344.3438	1287.2815		02/14/08 11:36:48	3010	424.3126	1337.2815	02/20/08 11:16:48	3010	422.3985	1322.5002		02/28/08 11:16:48	3010	430.0704	1366.2815		02/28/08 11:26:48	3020	429.0391	1370.4377	
02/03/08 02:36:48	3040	345.2579	1295.4377		02/14/08 11:46:48	3020	423.4297	1333.8440	02/20/08 11:26:48	3020	421.4454	1329.3127		02/28/08 11:36:48	3030	431.2422	1357.1565		02/28/08 11:46:48	3040	428.0001	1343.0627	
02/03/08 02:46:48	3050	349.7422	1295.2502		02/14/08 11:56:48	3030	426.0157	1336.4377	02/20/08 11:36:48	3030	421.2891	1326.0002		02/28/08 11:56:48	3050	430.0704	1330.6565		02/28/08 12:06:48	3060	424.9766	1352.4377	
02/03/08 02:56:48	3060	342.9141	1291.5315		02/14/08 12:06:48	3040	426.6016	1333.9377	02/20/08 11:46:48	3040	427.4844	1340.4690		02/28/08 12:16:48	3070	428.5938	1327.1565		02/28/08 12:26:48	3080	428.0782	1357.5940	
02/03/08 03:06:48	3070	343.8282	1284.7190		02/14/08 12:16:48	3050	430.1407	1341.0940	02/20/08 11:56:48	3050	430.0704	1330.6565		02/28/08 12:36:48	3090	428.1485	1310.7190		02/28/08 12:46:48	3090	422.9141	1332.8127	
02/03/08 03:16:48	3080	343.5547	1279.7815		02/14/08 12:26:48	3060	423.9454	1335.4065	02/20/08 12:06:48	3060	422.3204	1326.5315		02/28/08 12:46:48	3100	425.4922	1325.5940		02/28/08 12:56:48	3100	424.9766	1352.4377	
02/03/08 03:26:48	3090	349.2266	1282.8752		02/14/08 12:36:48	3070	423.3516	1331.6877	02/20/08 12:16:48	3070	428.5938	1327.1565		02/28/08 12:56:48	3090	423.4297	1328.6877		02/28/08 13:06:48	3120	428.0782	1357.5940	
02/03/08 03:36:48	3100	343.8282	1295.5627		02/14/08 12:46:48	3080	426.0157	1326.1252	02/20/08 12:26:48	3080	428.1485	1310.7190		02/28/08 13:06:48	3100	425.4922	1325.5940		02/28/08 13:16:48	3130	428.3751	1348.0627	
02/03/08 03:46:48	3110	352.0938	1284.1877		02/14/08 12:56:48	3090	425.9376	1334.7815	02/20/08 12:36:48	3090	423.4297	1328.6877		02/28/08 13:16:48	3100	425.4922	1325.5940		02/28/08 13:26:48	3140	427.5626	1333.8440	
02/03/08 03:56:48	3120	347.8438	1294.4065		02/14/08 13:06:48	3100	426.3751	1329.5315	02/20/08 12:46:48	3100	425.4922	1325.5940		02/28/08 13:26:48	3150	419.3829	1340.1252		02/28/08 13:36:48	3150	426.4532	1346.1565	
02/03/08 04:06:48	3130	343.9454	1283.2815		02/14/08 13:16:48	3110	424.3907	1336.3440	02/20/08 12:56:48	3110	429.6954	1327.2502		02/28/08 13:36:48	3160	427.5626	1336.0002		02/28/08 13:46:48	3160	426.6016	1336.0002	
02/03/08 04:16:48	3140	346.0157	1290.5002		02/14/08 13:26:48	3120	427.0469	1327.1565	02/20/08 13:06:48	3120	422.9922	1327.7502		02/28/08 13:36:48	3170	427.4219	1329.1252		02/28/08 13:46:48	3170	430.2110	1344.7815	
02/03/08 04:26:48	3150	348.0782	1296.6877		02/14/08 13:36:48	3130	420.9297	1342.1877	02/20/08 13:16:48	3130	420.8516	1337.4690		02/28/08 13:36:48	3210	424.5391	1331.3752		02/28/08 13:46:48	3140	426.8985	1346.0627	
02/03/08 04:36:48	3160	350.1407	1292.0627		02/14/08 13:46:48	3140	424.3126	1337.2815	02/20/08 13:26:48	3140	426.8985	1346.0627		02/28/08 13:46:48	3220	419.7422	1346.1565		02/28/08 14:06:48	3220	426.4532	1346.1565	
02/03/08 04:46:48	3170	345.5001	1284.3127		02/14/08 13:56:48	3150	424.9766	1343.6565	02/20/08 13:36:48	3150	419.3829	1340.1252		02/28/08 14:06:48	3230	428.0001	1336.0002		02/28/08 14:36:48	3210	428.1485	1354.5627	
02/03/08 04:56:48	3180	346.0157	1284.8127		02/14/08 14:06:48	3160	421.4454	1345.2815	02/20/08 13:46:48	3160	427.5626	1335.9065		02/28/08 14:06:48	3240	423.8751	1345.1065		02/28/08 14:56:48	3170	426.6016	1336.0002	
02/03/08 05:06:48	3190	348.9922	1297.6252		02/14/08 14:16:48	3170	419.8204	1344.6877	02/20/08 13:56:48	3170	425.4219	1329.1252		02/28/08 14:06:48	3250	423.8751	1337.3752		02/28/08 15:06:48	3180	426.4532	1343.5627	
02/03/08 05:16:48	3200	348.5938	1296.1877		02/14/08 14:26:48	3180	423.8751	1347.1877	02/20/08 14:06:48	3180	415.6876	1351.4065		02/28/08 14:06:48	3260	422.3204	1336.4767		02/28/08 15:06:48	3240	427.3360	1351.1565	
02/03/08 05:26:48	3210	343.7110	1301.1252		02/14/08 14:36:48	3190	422.8360	1339.4377	02/20/08 14:16:48	3190	420.8516	1346.2502		02/28/08 14:06:48	3280	419.6954	1347.0940		02/28/08 15:16:48	3200	427.7110	1337.6565	
02/03/08 05:36:48	3220	342.2813	1297.0940		02/14/08 14:46:48	3200	421.2891	1342.5315	02/20/08 14:26:48	3200	419.7422	1346.1565		02/28/08 14:16:48	3290	428.0001	1355.9690		02/28/08 15:26:48	3260	428.0001	1355.9690	
02/03/08 05:46:48	3230	339.8204	1291.0002		02/14/08 14:56:48	3210	428.0001	1326.0002	02/20/08 14:36:48	3210	421.2891	1349.7815		02/28/08 14:46:48	3220	426.4532	1347.3440		02/28/08 15:36:48	3220	426.6016	1339.4377	
02/03/08 05:56:48	3240	338.2735	1296.6877		02/14/08 15:06:48	3220	429.0391	1331.6877	02/20/08 14:46:48	3220	419.2266	1345.1252		02/28/08 14:56:48	3230	423.8751	13						

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	SCFM	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/03/08 14:56:48	3780	329.8829	1267.6565					02/15/08 00:06:48	3760	422.2422	1376.5627	02/20/08 23:46:48	3760	422.3985	1339.0002					02/28/08 23:46:48	3760	436.9219	1390.1565
02/03/08 15:06:48	3790	328.3360	1269.7190					02/15/08 00:16:48	3770	422.8360	1346.6565	02/20/08 23:56:48	3770	420.8516	1345.7190					02/28/08 23:56:48	3770	433.3829	1384.0315
02/03/08 15:16:48	3800	334.9219	1273.2190					02/15/08 00:26:48	3780	426.4532	1342.5315	02/21/08 00:06:48	3780	425.4922	1344.6877					02/29/08 00:06:48	3780	437.4376	1395.3127
02/03/08 15:26:48	3810	332.0782	1267.7815					02/15/08 00:36:48	3790	420.6954	1350.2190	02/21/08 00:16:48	3790	427.0469	1344.1877					02/29/08 00:16:48	3790	437.3672	1380.3127
02/03/08 15:36:48	3820	331.0469	1270.8752					02/15/08 00:46:48	3800	424.3126	1348.1252	02/21/08 00:26:48	3800	426.4532	1348.7502					02/29/08 00:26:48	3800	434.7891	1380.3127
02/03/08 15:46:48	3830	322.2735	1277.0940					02/15/08 00:56:48	3810	416.5626	1344.0002	02/21/08 00:36:48	3810	423.4297	1345.2190					02/29/08 00:36:48	3810	436.1954	1372.9377
02/03/08 15:56:48	3840	336.2110	1271.4065					02/15/08 01:06:48	3820	423.5079	1344.7815	02/21/08 00:46:48	3820	426.4532	1352.8752					02/29/08 00:46:48	3820	441.4922	1367.9065
02/03/08 16:06:48	3850	334.6563	1271.9065					02/15/08 01:16:48	3830	420.1797	1359.5002	02/21/08 00:56:48	3830	424.5391	1350.9690					02/29/08 00:56:48	3830	433.7501	1378.7502
02/03/08 16:16:48	3860	329.3672	1278.5002					02/15/08 01:26:48	3840	420.6954	1354.3440	02/21/08 01:06:48	3840	427.0469	1333.3440					02/29/08 01:06:48	3840	435.4454	1367.5315
02/03/08 16:26:48	3870	330.5313	1268.3127					02/15/08 01:36:48	3850	423.9454	1345.2190	02/21/08 01:16:48	3850	424.0235	1368.5002					02/29/08 01:16:48	3850	437.4376	1374.6877
02/03/08 16:36:48	3880	332.0782	1275.0002					02/15/08 01:46:48	3860	418.7110	1352.3440	02/21/08 01:26:48	3860	429.6251	1361.7190					02/29/08 01:26:48	3860	435.8907	1374.1877
02/03/08 16:46:48	3890	342.0079	1268.9377					02/15/08 01:56:48	3870	427.0469	1354.5002	02/21/08 01:36:48	3870	426.9688	1367.8440					02/29/08 01:36:48	3870	437.4376	1376.2502
02/03/08 16:56:48	3900	331.0469	1277.0940					02/15/08 02:06:48	3880	419.3829	1360.2502	02/21/08 01:46:48	3880	425.9376	1355.9690					02/29/08 01:46:48	3880	436.2657	1380.7502
02/03/08 17:06:48	3910	337.7579	1288.4377					02/15/08 02:16:48	3890	417.0782	1365.1877	02/21/08 01:56:48	3890	428.0001	1367.8440					02/29/08 01:56:48	3890	435.3751	1394.2815
02/03/08 17:16:48	3920	337.1172	1290.9065					02/15/08 02:26:48	3900	419.7422	1359.0627	02/21/08 02:06:48	3900	424.4610	1354.5002					02/29/08 02:06:48	3900	437.8126	1404.5002
02/03/08 17:26:48	3930	335.9610	1289.2502					02/15/08 02:36:48	3910	419.2266	1358.0315	02/21/08 02:16:48	3910	422.8360	1362.1565					02/29/08 02:16:48	3910	435.3047	1389.0627
02/03/08 17:36:48	3940	338.7891	1280.1877					02/15/08 02:46:48	3920	417.1563	1344.0940	02/21/08 02:26:48	3920	429.5547	1351.8440					02/29/08 02:26:48	3920	435.2344	1385.9065
02/03/08 17:46:48	3950	336.2110	1275.0002					02/15/08 02:56:48	3930	419.8204	1349.3440	02/21/08 02:36:48	3930	427.4844	1361.1252					02/29/08 02:36:48	3930	423.9454	1392.6877
02/03/08 17:56:48	3960	336.4766	1276.8440					02/15/08 03:06:48	3940	418.1876	1359.0627	02/21/08 02:46:48	3940	431.6876	1360.1877					02/29/08 02:46:48	3940	426.9688	1390.5627
02/03/08 18:06:48	3970	332.2032	1276.1565					02/15/08 03:16:48	3950	417.5938	1368.8127	02/21/08 02:56:48	3950	428.0001	1351.3127					02/29/08 02:56:48	3950	424.5391	1381.9065
02/03/08 18:16:48	3980	327.8204	1291.9377					02/15/08 03:26:48	3960	420.2579	1366.8127	02/21/08 03:06:48	3960	434.2032	1350.8127					02/29/08 03:06:48	3960	423.8751	1404.0002
02/03/08 18:26:48	3990	329.5001	1285.8440					02/15/08 03:36:48	3970	416.1251	1357.5315	02/21/08 03:16:48	3970	427.0469	1340.0315					02/29/08 03:16:48	3970	424.4610	1384.9377
02/03/08 18:36:48	4000	337.2422	1280.1877					02/15/08 03:46:48	3980	415.6876	1365.8440	02/21/08 03:26:48	3980	429.9922	1351.7502					02/29/08 03:26:48	3980	424.9766	1390.1252
02/03/08 18:46:48	4010	330.1407	1293.7190					02/15/08 03:56:48	3990	418.6251	1349.6877	02/21/08 03:36:48	3990	431.2422	1345.2815					02/29/08 03:36:48	3990	428.5938	1397.3440
02/03/08 18:56:48	4020	333.1094	1299.2815					02/15/08 04:06:48	4000	420.2579	1367.8440	02/21/08 03:46:48	4000	431.6876	1349.8440					02/29/08 03:46:4			

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	SCFM	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
02/04/08 03:26:48	4530	342.9141	1302.3752		02/15/08 12:56:48	4530	428.0001	1353.9065	02/21/08 12:16:48	4510	434.2735	1334.3752		02/29/08 12:16:48	4510	420.8516	1351.4065		02/29/08 12:26:48	4520	420.7735	1347.7190	
02/04/08 03:36:48	4540	336.6016	1301.7502		02/15/08 13:06:48	4540	433.6094	1345.0315	02/21/08 12:26:48	4520	436.8516	1342.6252		02/29/08 12:36:48	4530	427.1954	1357.2502		02/29/08 12:46:48	4540	433.7501	1358.1252	
02/04/08 03:46:48	4550	335.6876	1314.7502		02/15/08 13:16:48	4550	426.9688	1339.9690	02/21/08 12:36:48	4530	443.4922	1331.6877		02/29/08 12:56:48	4550	432.2735	1329.8127		02/29/08 13:06:48	4560	418.1876	1346.6565	
02/04/08 03:56:48	4560	331.0469	1300.3127		02/15/08 13:26:48	4560	429.0391	1345.1252	02/21/08 12:46:48	4540	435.6797	1336.7815		02/29/08 13:16:48	4570	423.4297	1360.6877		02/29/08 13:26:48	4580	417.8360	1357.1565	
02/04/08 04:06:48	4570	335.1719	1311.6565		02/15/08 13:36:48	4570	425.4219	1352.8752	02/21/08 12:56:48	4550	432.2735	1329.8127		02/29/08 13:36:48	4580	415.3360	1345.9065		02/29/08 13:36:48	4590	329.8829	1391.5940	
02/04/08 04:16:48	4580	340.8516	1286.3752		02/15/08 13:46:48	4580	429.5547	1344.0940	02/21/08 13:06:48	4560	439.3672	1332.7190		02/29/08 13:46:48	4590	431.6876	1339.5315		76.5				
02/04/08 04:26:48	4590	333.3751	1309.3752		02/15/08 13:56:48	4590	424.9766	1344.1877	02/21/08 13:16:48	4570	432.7188	1349.8440		02/29/08 13:56:48	4600	431.1719	1339.5315		430.1695	1376.2861			
02/04/08 04:36:48	4600	339.5782	1295.4377		02/15/08 14:06:48	4600	424.0235	1346.8440	02/21/08 13:26:48	4580	437.8126	1347.7190											
02/04/08 04:46:48	4610	334.6563	1282.7502		02/15/08 14:16:48	4610	428.5157	1342.0315	02/21/08 13:36:48	4590	431.6876	1339.5315											
02/04/08 04:56:48	4620	336.8438	1305.0627		02/15/08 14:26:48	4620	426.9688	1341.5002	02/21/08 13:46:48	4600	431.6172	1351.3127											
02/04/08 05:06:48	4630	334.7813	1302.4690		02/15/08 14:36:48	4630	426.0860	1345.8127	02/21/08 13:56:48	4610	436.3360	1339.5315											
02/04/08 05:16:48	4640	336.6016	1303.2815		02/15/08 14:46:48	4640	428.0001	1350.8127	02/21/08 14:06:48	4620	432.2032	1340.5627											
02/04/08 05:26:48	4650	342.1563	1294.4065		02/15/08 14:56:48	4650	431.5469	1347.6252	02/21/08 14:16:48	4630	442.0079	1346.2502											
02/04/08 05:36:48	4660	329.8829	1309.5002		02/15/08 15:06:48	4660	424.4610	1347.7815	02/21/08 14:26:48	4640	436.2657	1342.5315											
02/04/08 05:46:48	4670	342.2813	1284.1877		02/15/08 15:16:48	4670	431.2422	1330.3440	02/21/08 14:36:48	4650	434.7891	1340.5627											
02/04/08 05:56:48	4680	339.3047	1313.7190		02/15/08 15:26:48	4680	422.9922	1344.7815	02/21/08 14:46:48	4660	438.2657	1345.0315											
02/04/08 06:06:48	4690	338.1485	1308.4690		02/15/08 15:36:48	4690	428.1485	1349.9377	02/21/08 14:56:48	4670	435.2344	1344.5940											
02/04/08 06:16:48	4700	339.1797	1276.9690		02/15/08 15:46:48	4700	429.0391	1350.2815	02/21/08 15:06:48	4680	431.1719	1339.5315											
02/04/08 06:26:48	4710	338.6641	1294.0002		02/15/08 15:56:48	4710	428.5157	1356.4690	02/21/08 15:16:48	4690	431.1719	1343.6565											
02/04/08 06:36:48	4720	336.0860	1309.5002		02/15/08 16:06:48	4720	428.0782	1350.3752	02/21/08 15:26:48	4700	432.7891	1347.3440											
02/04/08 06:46:48	4730	338.3985	1296.2815		02/15/08 16:16:48	4730	429.0391	1352.3440	02/21/08 15:36:48	4710	432.6485	1345.1252											
02/04/08 06:56:48	4740	340.6094	1280.4377		02/15/08 16:26:48	4740	430.1407	1351.4065	02/21/08 15:46:48	4720	436.7813	1342.5315											
02/04/08 07:06:48	4750	338.2735	1297.2190		02/15/08 16:36:48	4750	422.8360	1349.7815	02/21/08 15:56:48	4730	435.8907	1338.0627											
02/04/08 07:16:48	4760	333.8751	1280.4065		02/15/08 16:46:48	4760	428.2266	1348.4690	02/21/08 16:06:48	4740	434.7188	1345.6252											
02/04/08 07:26:48	4770	332.7188	1304.0315		02/15/08 16:56:48	4770	428.5938	1359.1565	02/21/08 16:16:48	4750	433.2344	1345.7190											
02/04/08 07:36:48	4780	340.3360	1287.9065		02/15/08 17:06:48	4780	432.6485	1351.3127	02/21/08 16:26:48	4760	432.6485	1350.2815											
02/04/08 07:46:48	4790	342.3985	1277.5940		02/15/08 17:16:48	4790	429.6251	1352.4377	02/21/08 16:36:48	4770	434.2032	1347.1877											
02/04/08 07:56:48	4800	339.8204	1283.7815		02/15/08 17:26:48	4800	428.5157	1345.1252	02/21/08 16:46:4														

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Introse Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow																																																																																																																																																			
mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM																																																																																																																																															
02/04/08	16:16:48	5300	444.5313	1424.6565	02/16/08	01:26:48	5280	434.7188	1348.7502	02/22/08	00:46:48	5260	425.4922	1354.5002	02/16/08	01:36:48	5290	437.3672	1340.0315	02/22/08	00:56:48	5270	431.1719	1345.7190	02/16/08	01:46:48	5300	432.7188	1359.6565	02/22/08	01:06:48	5280	425.4219	1350.8127																																																																																																																																												
02/04/08	16:26:48	5310	445.6251	1419.5315	02/16/08	01:56:48	5310	433.6797	1357.5315	02/22/08	01:16:48	5290	433.1641	1354.9377	02/16/08	02:06:48	5320	435.3047	1353.9690	02/22/08	01:26:48	5300	432.2032	1355.0002	02/16/08	02:16:48	5330	431.6172	1359.5940	02/22/08	01:36:48	5310	429.4766	1348.6565																																																																																																																																												
02/04/08	16:36:48	5320	448.7813	1431.4377	02/16/08	02:26:48	5340	434.1251	1359.0002	02/22/08	01:46:48	5320	431.6172	1355.9690	02/16/08	02:36:48	5350	428.5938	1365.3440	02/22/08	01:56:48	5330	425.4922	1355.5315	02/16/08	02:46:48	5360	435.8204	1372.0315	02/22/08	02:06:48	5340	425.9376	1352.3440																																																																																																																																												
02/04/08	16:46:48	5330	447.6876	1426.7502	02/16/08	02:56:48	5370	435.4454	1375.7815	02/22/08	02:16:48	5350	431.6172	1351.8440	02/16/08	03:06:48	5380	434.7891	1373.0627	02/22/08	02:26:48	5360	426.3751	1349.1565	02/16/08	03:16:48	5390	434.7891	1365.3440	02/22/08	02:36:48	5370	424.0235	1358.1877																																																																																																																																												
02/04/08	16:56:48	5340	452.7891	1427.2190	02/16/08	03:26:48	5400	433.6797	1353.3752	02/22/08	02:46:48	5380	433.0938	1349.1565	02/16/08	03:36:48	5410	435.3047	1375.1565	02/22/08	02:56:48	5390	430.1407	1358.6252	02/16/08	03:46:48	5420	433.0938	1349.1565	02/22/08	03:06:48	5400	428.5157	1345.6252																																																																																																																																												
02/04/08	17:06:48	5350	442.5938	1423.1877	02/16/08	03:56:48	5430	433.6797	1375.5940	02/22/08	02:26:48	5360	426.3751	1349.1565	02/16/08	04:06:48	5440	433.0938	1376.0315	02/22/08	03:16:48	5410	426.4532	1348.2190	02/16/08	04:16:48	5450	437.8126	1375.5940	02/22/08	03:26:48	5420	428.0001	1343.5627																																																																																																																																												
02/04/08	17:16:48	5360	444.9766	1434.4377	02/16/08	04:26:48	5460	434.7891	1359.0002	02/22/08	03:46:48	5440	428.4454	1351.2502	02/16/08	04:36:48	5470	430.1407	1365.8440	02/22/08	03:56:48	5450	432.2032	1349.8440	02/16/08	04:46:48	5480	433.8282	1357.1565	02/16/08	04:56:48	5490	436.4063	1358.1877																																																																																																																																												
02/04/08	17:26:48	5370	444.5313	1427.2190	02/16/08	05:06:48	5500	429.6251	1360.6877	90.8					425.7084	1336.5090	02/16/08	05:16:48	5510	433.2344	1370.5002	02/16/08	05:26:48	5520	436.7813	1371.4690	02/16/08	05:36:48	5530	431.0313	1375.0002	02/16/08	05:46:48	5540	432.1329	1381.7815	02/16/08	05:56:48	5550	429.9922	1380.1565	02/16/08	06:06:48	5560	435.7501	1379.7190	02/16/08	06:16:48	5570	439.8829	1369.4065	02/16/08	06:26:48	5580	440.3985	1375.0627																																																																																																																						
02/04/08	17:36:48	5380	447.1719	1428.8127	02/16/08	06:36:48	5590	432.1329	1368.3752	02/16/08	06:46:48	5600	437.3672	1360.6877	02/16/08	07:06:48	5610	437.3672	1373.5940	02/16/08	07:16:48	5620	435.3047	1368.9377	02/16/08	07:26:48	5640	437.3672	1347.7815	02/16/08	07:36:48	5650	440.8438	1373.9690	02/16/08	07:46:48	5660	435.7501	1361.1252	02/16/08	07:56:48	5670	439.4297	1368.9377	02/16/08	08:06:48	5680	442.5313	1353.4690																																																																																																																													
02/04/08	17:46:48	5390	451.6954	1445.7815	02/16/08	08:16:48	5690	441.8829	1366.7502	02/16/08	08:26:48	5700	442.0079	1357.5940	02/16/08	08:36:48	5710	448.6563	1348.7502	02/16/08	08:46:48	5720	443.5626	1346.2502	02/16/08	08:56:48	5730	445.5626	1347.1877	02/16/08	09:06:48	5740	446.6563	1365.3440	02/16/08	09:16:48	5750	449.7501	1362.2502	02/16/08	09:26:48	5760	449.1719	1339.9690	02/16/08	09:36:48	5770	448.2657	1342.1877	02/16/08	09:46:48	5780	446.2032	1362.8440	02/16/08	09:56:48	5790	448.2657	1344.7815	02/16/08	10:06:48	5800	447.1094	1343.5627	02/16/08	10:16:48	5810	446.6563	1339.0002	02/16/08	10:26:48	5820	450.2110	1354.4065	02/16/08	10:36:48	5830	445.1094	1337.4690	02/16/08	10:46:48	5840	444.5938	1357.5940	02/16/08	10:56:48	5850	442.0782	1344.2502	02/16/08	11:06:48	5860	441.4922	1337.9690	02/16/08	11:16:48	5870	443.9219	1336.5315	02/16/08	11:26:48	5880	440.9141	1326.5315	02/16/08	11:36:48	5890	443.6797	1345.1252	02/16/08	11:46:48	5900	443.9141	1331.2815	02/16/08	11:56:48	5910	440.9141	1340.4690	02/16/08	12:06:48	5920	433.6797	1345.6252	02/16/08	12:16:48	5930	435.7501	1326.5315	02/16/08	12:26:48	5940	435.2344	1331.1877	02/16/08	12:36:48	5950	434.7188	1339.9690	02/16/08	12:46:48	5960	436.2657	1347.1877	02/16/08	12:56:48	5970	435.2344	1324.4690	02/16/08	13:06:48	5980	437.7422	1344.0002	02/16/08	13:16:48	5990	437.7422	1337.8127	02/16/08	13:26:48	6000	433.2344	1330.7502	02/16/08	13:36:48	6010	437.3672	1323.5315	02/16/08	13:46:48	6020	434.7188	1321.8752
02/04/08	17:56:48	5390	452.7891	1427.2190	02/05/08	00:06:48	5770	457.9532	1464.9377	02/05/08	00:16:48	5780	448.7188	1470.6252	02/05/08	00:26:48	5790	456.4063	1457.1877	02/05/08	00:36:48	5800	456.9219	1473.1877	02/05/08	00:46:48	5810	462.6016	1474.7502	02/05/08	00:56:48	5820	461.1094	1464.4377	02/05/08	01:06:48	5830	455.8907	1462.8752	02/05/08	01:16:48	5840	456.4063	1472.6877	02/05/08	01:26:48	5850	460.5938	1464.9377	02/05/08	01:36:48	5860	455.4297	1494.3752	02/05/08	01:46:48	5870	452.3907	1470.6252	02/05/08	01:56:48	5880	456.9219	1472.6877	02/05/08	02:06:48	5890	459.6172	1501																																																																																																									

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Introse Chemical Corporation, Henderson, Nevada**

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
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**Introse Chemical Corporation, Henderson, Nevada**

**A-3**  
**Flow Rates for February 2008 - 1st Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow		
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM		
02/06/08 05:46:48	7550	450.7266	1460.2815	02/17/08 14:56:48	7530	419.8985	1334.9690																						
02/06/08 05:56:48	7560	450.6641	1464.9065	02/17/08 15:06:48	7540	418.7891	1333.3440																						
02/06/08 06:06:48	7570	451.7579	1449.9377	02/17/08 15:16:48	7550	421.2891	1312.0627																						
02/06/08 06:16:48	7580	452.3360	1676.5627	02/17/08 15:26:48	7560	419.3829	1324.6565																						
02/06/08 06:26:48	7590	452.7266	1466.4690	02/17/08 15:36:48	7570	419.3047	1332.3127																						
02/06/08 06:36:48	7600	451.7579	1450.4690	02/17/08 15:46:48	7580	420.2579	1319.3127																						
02/06/08 06:46:48	7610	454.3360	1492.8127	02/17/08 15:56:48	7590	419.8204	1342.1252																						
02/06/08 06:56:48	7620	453.2501	1483.0002	02/17/08 16:06:48	7600	421.4454	1330.8440																						
02/06/08 07:06:48	7630	451.3047	1585.7190	02/17/08 16:16:48	7610	420.2579	1333.7502																						
02/06/08 07:16:48	7640	453.3047	1741.7190	02/17/08 16:26:48	7620	419.2266	1327.5627																						
02/06/08 07:26:48	7650	451.3047	1474.7502	02/17/08 16:36:48	7630	419.7422	1319.3127																						
02/06/08 07:36:48	7660	451.3047	1457.2190	02/17/08 16:46:48	7640	422.8360	1319.8127																						
02/06/08 07:46:48	7670	449.1719	1469.5627	02/17/08 16:56:48	7650	423.4297	1326.1252																						
02/06/08 07:56:48	7680	447.6876	1502.0940	02/17/08 17:06:48	7660	419.2266	1327.0627																						
02/06/08 08:06:48	7690	453.8204	1467.0002	02/17/08 17:16:48	7670	417.2344	1326.1252																						
02/06/08 08:16:48	7700	455.9454	1460.3127	02/17/08 17:26:48	7680	419.3047	1334.8752																						
02/06/08 08:26:48	7710	452.8516	1452.5627	02/17/08 17:36:48	7690	420.2579	1317.7502																						
02/06/08 08:36:48	7720	457.4376	1456.1565	02/17/08 17:46:48	7700	420.4141	1328.2815																						
02/06/08 08:46:48	7730	456.5235	1528.9377	02/17/08 17:56:48	7710	419.8204	1324.5627																						
02/06/08 08:56:48	7740	453.8204	1463.3752	02/17/08 18:06:48	7720	419.8204	1337.4690																						
02/06/08 09:06:48	7750	457.9532	1451.0002	02/17/08 18:16:48	7730	419.2266	1324.9690																						
02/06/08 09:16:48	7760	454.9141	1448.4377	02/17/08 18:26:48	7740	418.7891	1332.8127																						
02/06/08 09:26:48	7770	456.3438	1454.5627	02/17/08 18:36:48	7750	419.8204	1333.3440																						
02/06/08 09:36:48	7780	458.4688	1459.2502	02/17/08 18:46:48	7760	418.7110	1334.2815																						
02/06/08 09:46:48	7790	457.3829	1469.0315	02/17/08 18:56:48	7770	415.6094	1327.0627																						
02/06/08 09:56:48	7800	453.3047	1447.8752	02/17/08 19:06:48	7780	414.7422	1330.8440																						
02/06/08 10:06:48	7810	454.9141	1469.0627	02/17/08 19:16:48	7790	419.4610	1346.4065																						
02/06/08 10:16:48	7820	455.9454	1454.6252	02/17/08 19:26:48	7800	417.6719	1329.6252																						
02/06/08 10:26:48	7830	453.3047	1452.5315	02/17/08 19:36:48	7810	419.8204	1338.5002																						
02/06/08 10:36:48	7840	455.3751	1426.1877	02/17/08 19:46:48	7820	417.2344	1332.8127																						
02/06/08 10:46:48	7850	454.3360	1445.8127	02/17/08 19:56:48	7830	421.2891	1347.7190																						
02/06/08 10:56:48	7860	454.9141	1442.2502	02/17/08 20:06:48	7840																								

A-3  
 Flow Rates for February 2008 - 1st Quarter 2008  
 SVE Remedial Action  
 Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	SCFM	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	
02/06/08	18:36:48	8300	398.3907	1485.0627				02/18/08	03:26:48	8280	411.1251	1368.0002																
02/06/08	18:46:48	8310	402.3594	1485.0940				02/18/08	03:36:48	8290	416.1251	1348.7502																
02/06/08	18:56:48	8320	403.2188	1487.1252				02/18/08	03:46:48	8300	414.6563	1351.9065																
02/06/08	19:06:48	8330	404.8516	1491.2815				02/18/08	03:56:48	8310	412.0782	1348.8127																
02/06/08	19:16:48	8340	407.0001	1476.8440				02/18/08	04:06:48	8320	411.1251	1336.5315																
02/06/08	19:26:48	8350	399.6876	1491.7815				02/18/08	04:16:48	8330	414.3047	1343.3127																
02/06/08	19:36:48	8360	404.7657	1488.1565				02/18/08	04:26:48	8340	414.6563	1365.3440																
02/06/08	19:46:48	8370	407.3438	1494.8752				02/18/08	04:36:48	8350	417.2344	1348.8127																
02/06/08	19:56:48	8380	403.9063	1483.0315				02/18/08	04:46:48	8360	411.5626	1355.5315																
02/06/08	20:06:48	8390	399.6876	1483.0002				02/18/08	04:56:48	8370	415.5313	1370.3440																
02/06/08	20:16:48	8400	404.4219	1475.8127				02/18/08	05:06:48	8380	412.1563	1350.4377																
02/06/08	20:26:48	8410	403.2188	1486.6252				02/18/08	05:16:48	8390	416.2032	1355.0002																
02/06/08	20:36:48	8420	404.1641	1479.3752				02/18/08	05:26:48	8400	413.1094	1347.2815																
02/06/08	20:46:48	8430	405.3672	1502.6252				02/18/08	05:36:48	8410	414.6563	1352.9377																
02/06/08	20:56:48	8440	402.0938	1509.3440				02/18/08	05:46:48	8420	413.0235	1346.6565																
02/06/08	21:06:48	8450	404.3360	1488.6877				02/18/08	05:56:48	8430	411.5626	1360.1877																
02/06/08	21:16:48	8460	405.3672	1504.1565				02/18/08	06:06:48	8440	411.9922	1351.8440																
02/06/08	21:26:48	8470	406.7422	1526.4065				02/18/08	06:16:48	8450	411.0469	1337.9690																
02/06/08	21:36:48	8480	405.8829	1517.0627				02/18/08	06:26:48	8460	412.5938	1343.6565																
02/06/08	21:46:48	8490	409.4141	1503.1565				02/18/08	06:36:48	8470	416.1251	1336.8752																
02/06/08	21:56:48	8500	408.2969	1498.5002				02/18/08	06:46:48	8480	413.6251	1363.7815																
02/06/08	22:06:48	8510	403.1251	1532.5940				02/18/08	06:56:48	8490	413.9766	1348.6565																
02/06/08	22:16:48	8520	404.8516	1509.8440				02/18/08	07:06:48	8500	414.0626	1356.4690																
02/06/08	22:26:48	8530	404.5938	1492.8127				02/18/08	07:16:48	8510	415.1719	1334.3752																
02/06/08	22:36:48	8540	406.9141	1483.5315				02/18/08	07:26:48	8520	412.5938	1341.0940																
02/06/08	22:46:48	8550	401.3282	1546.9690				02/18/08	07:36:48	8530	415.0938	1353.3752																
02/06/08	22:56:48	8560	406.9141	1513.9690				02/18/08	07:46:48	8540	414.5782	1341.0002																
02/06/08	23:06:48	8570	408.2969	1532.0940				02/18/08	07:56:48	8550	418.2735	1346.2502																
02/06/08	23:16:48	8580	406.3985	1503.6565				02/18/08	08:06:48	8560	417.2344	1356.5627																
02/06/08	23:26:48	8590	400.2032	1740.5627				02/18/08	08:16:48	8570	415.6094	1351.8440																
02/06/08	23:36:48	8600	404.3360	1740.5627				02/18/08	08:26:48	8580	419.2266	1342.0315																
02/06/08	23:46:48	8610	412.0782	1741.0627																								
02/06/08	23:56:48	8620	405.7969	1741.7190	</																							

A-3  
 Flow Rates for February 2008 - 1st Quarter 2008  
 SVE Remedial Action  
 Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	
02/07/08	07:06:48	9050	399.6876	1712.1565																								
02/07/08	07:16:48	9060	405.7110	1711.3752																								
02/07/08	07:26:48	9070	417.2344	1741.0627																								
02/07/08	07:36:48	9080	412.5079	1740.1565																								
02/07/08	07:46:48	9090	411.1251	1702.2502																								
02/07/08	07:56:48	9100	418.2735	1734.3752																								
02/07/08	08:06:48	9110	419.2266	1722.0940																								
02/07/08	08:16:48	9120	419.8204	1740.5627																								
02/07/08	08:26:48	9130	417.6719	1741.1877																								
02/07/08	08:36:48	9140	420.7735	1741.7190																								
02/07/08	08:46:48	9150	418.8672	1738.3440																								
02/07/08	08:56:48	9160	421.8829	1741.0627																								
02/07/08	09:06:48	9170	420.9297	1739.9065																								
02/07/08	09:16:48	9180	418.6251	1500.5627																								
02/07/08	09:26:48	9190	422.8360	1501.5940																								
02/07/08	09:36:48	9200	422.8360	1502.0940																								
02/07/08	09:46:48	9210	423.3516	1485.5940																								
02/07/08	09:56:48	9220	418.2735	1481.4690																								
02/07/08	10:06:48	9230	414.6563	1485.5940																								
02/07/08	10:16:48	9240	419.2266	1476.8127																								
02/07/08	10:26:48	9250	420.7735	1487.1252																								
02/07/08	10:36:48	9260	416.6407	1481.4377																								
02/07/08	10:46:48	9270	411.5626	1484.0315																								
02/07/08	10:56:48	9280	413.6251	1485.0627																								
02/07/08	11:06:48	9290	418.2735	1474.2502																								
02/07/08	11:16:48	9300	417.1563	1467.5002																								
02/07/08	11:26:48	9310	418.2735	1476.8127																								
02/07/08	11:36:48	9320	417.2344	1468.0315																								
02/07/08	11:46:48	9330	415.6094	1460.2815																								
02/07/08	11:56:48	9340	415.1719	1468.5627																								
02/07/08	12:06:48	9350	414.1407	1458.2502																								
02/07/08	12:16:48	9360	411.6407	1459.2815																								
02/07/08	12:26:48	9370	410.9610	1447.8752																								
02/07/08	12:36:48	9380	412.0782	1453.0627																								
02/07/08	12:46:48	9390	414.6563	1467.5315																								
02/07/08	12:56:48	9400	417.0782	1458.1877																								
02/07/08	13:06:48	9410	415.5313	1464.9065																								
02/07/08	13:16:48	9420	409.0626	1466.0002																								
02/07/08	13:26:48	9430	415.2579	1461.8752																								
02/07/08	13:36:48	9440	411.4766	1463.3752																								
02/07/08	13:46:48	9450	412.5938	1457.7190		</																						

A-3  
 Flow Rates for February 2008 - 1st Quarter 2008  
 SVE Remedial Action  
 Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Influent Flow	Effluent Flow	EFF FLOW	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	
02/07/08	19:36:48	9800	402.2735	1471.6565																								
02/07/08	19:46:48	9810	408.1172	1461.9065																								
02/07/08	19:56:48	9820	405.3672	1462.3752																								
02/07/08	20:06:48	9830	407.4297	1466.5002																								
02/07/08	20:16:48	9840	403.2188	1483.0002																								
02/07/08	20:26:48	9850	405.2813	1459.7502																								
02/07/08	20:36:48	9860	402.7891	1485.5940																								
02/07/08	20:46:48	9870	405.2813	1499.0002																								
02/07/08	20:56:48	9880	408.4610	1484.5627																								
02/07/08	21:06:48	9890	410.0157	1494.8752																								
02/07/08	21:16:48	9900	404.8516	1482.5002																								
02/07/08	21:26:48	9910	405.1954	1474.2190																								
02/07/08	21:36:48	9920	404.8516	1470.0940																								
02/07/08	21:46:48	9930	406.9141	1477.3440																								
02/07/08	21:56:48	9940	403.1251	1466.4690																								
02/07/08	22:06:48	9950	407.9454	1468.0315																								
02/07/08	22:16:48	9960	411.3907	1474.2190																								
02/07/08	22:26:48	9970	400.7188	1475.7815																								
02/07/08	22:36:48	9980	406.3985	1473.7190																								
02/07/08	22:46:48	9990	399.7813	1470.6252																								
02/07/08	22:56:48	10000	405.7110	1490.2190																								
02/07/08	23:06:48	10010	407.4297	1475.2815																								
02/07/08	23:16:48	10020	403.2188	1480.4065																								
02/07/08	23:26:48	10030	404.8516	1485.5940																								
02/07/08	23:36:48	10040	403.2188	1476.2815																								
02/07/08	23:46:48	10050	396.5938	1478.8752																								
02/07/08	23:56:48	10060	405.2813	1462.8752																								
02/08/08	00:06:48	10070	404.2501	1499.5315																								
02/08/08	00:16:48	10080	403.7344	1467.0002																								
02/08/08	00:26:48	10090	406.3126	1480.4065																								
02/08/08	00:36:48	10100	400.7188	1476.3127																								
02/08/08	00:46:48	10110	405.4532	1474.2502																								
02/08/08	00:56:48	10120	400.7188	1477.8440																								
02/08/08	01:06:48	10130	395.0469	1481.9690																								
02/08/08	01:16:48	10140	405.9688	1468.5627																								
02/08/08	01:26:48	10150	403.8204	1478.3752																								
02/08/08	01:36:48	10160	405.3672	1502.6252																								
02/08/08	01:46:48	10170	401.7579	1472.1877																								
02/08/08	01:56:48	10180	402.4454	1500.0315																								
02/08/08	02:06:48	10190	408.3829	1476.8127																								
02/08/08	02:16:48	10200	402.3594</td																									

A-3  
 Flow Rates for February 2008 - 1st Quarter 2008  
 SVE Remedial Action  
 Montrose Chemical Corporation, Henderson, Nevada

Date/Time mm/dd/yy	Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy	Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy	Influent Flow SCFM	Effluent Flow SCFM	EFF FLOW	Date/Time mm/dd/yy	Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM												
02/08/08	08:06:48	10550	410.5313	1741.0627																							
02/08/08	08:16:48	10560	402.1797	1470.0940																							
	176.0																										
		393.9529	1406.3368																								

## Flow Rates for March 2008 - 1st Quarter 2008

## SVE Remedial Action

## Montrose Chemical Corporation, Henderson, Nevada

Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM
03/03/08	09:06:48	10	371.3047	1430.3752	03/05/08	11:46:48	10	381.0079	1379.7190	03/14/08	07:56:48	10	334.9219	1262.8752	03/25/08	07:36:48	10	420.2579	1384.3752
03/03/08	09:16:48	20	326.3985	1492.8127	03/05/08	11:56:48	20	368.2032	1409.7190	03/14/08	08:06:48	20	330.5313	1262.1252	03/25/08	07:46:48	20	420.2579	1389.5315
03/03/08	09:26:48	30	326.3985	1476.3127	03/05/08	12:06:48	30	369.0235	1413.2502	03/14/08	08:16:48	30	334.0157	1264.5627	03/25/08	07:56:48	30	468.3360	1359.1565
03/03/08	09:36:48	40	326.0157	1467.5315	03/05/08	12:16:48	40	375.5391	1392.2190	03/14/08	08:26:48	40	334.6563	1260.5627	03/25/08	08:06:48	40	464.6641	1377.1252
03/03/08	09:46:48	50	325.2422	1492.8127	03/05/08	12:26:48	50	372.2344	1414.3127	03/14/08	08:36:48	50	331.5626	1259.0002	03/25/08	08:16:48	50	463.6329	1370.9377
03/03/08	09:56:48	60	323.5547	1478.3440	03/05/08	12:36:48	60	374.3985	1403.5315	03/14/08	08:46:48	60	327.0469	1260.1877	03/25/08	08:26:48	60	459.5626	1360.1877
03/03/08	10:06:48	70	331.9532	1478.8752	03/05/08	12:46:48	70	372.8516	1411.7815	03/14/08	08:56:48	70	324.2032	1258.8752	03/25/08	08:36:48	70	458.0704	1359.2190
03/03/08	10:16:48	80	330.9219	1473.7190	03/05/08	12:56:48	80	368.7266	1413.8440	03/14/08	09:06:48	80	321.3751	1246.2502	03/25/08	08:46:48	80	457.4376	1353.9065
03/03/08	10:26:48	90	332.3282	1480.9690	03/05/08	13:06:48	90	368.8282	1406.6877	03/14/08	09:16:48	90	321.8907	1257.0940	03/25/08	08:56:48	90	457.9532	1369.9065
03/03/08	10:36:48	100	330.1407	1484.0627	03/05/08	13:16:48	100	368.7266	1409.2190	03/14/08	09:26:48	100	325.2422	1247.5315	03/25/08	09:06:48	100	457.4922	1359.1565
03/03/08	10:46:48	110	332.3438	1476.2815	03/05/08	13:26:48	110	370.1641	1408.1252	03/14/08	09:36:48	110	321.7579	1256.9377	03/25/08	09:16:48	110	459.5001	1352.3440
03/03/08	10:56:48	120	333.1094	1475.2815	03/05/08	13:36:48	120	367.7969	1405.1252	03/14/08	09:46:48	120	319.0391	1253.1877	03/25/08	09:26:48	120	457.4376	1357.5315
03/03/08	11:06:48	130	334.3907	1457.7815	03/05/08	13:46:48	130	371.3047	1405.5940	03/14/08	09:56:48	130	320.4766	1254.6252	03/25/08	09:36:48	130	456.9766	1359.6565
03/03/08	11:16:48	140	332.0782	1477.8440	03/05/08	13:56:48	140	366.2501	1406.1565	03/14/08	10:06:48	140	322.4063	1244.1877	03/25/08	09:46:48	140	458.5860	1345.2815
03/03/08	11:26:48	150	333.6251	1475.2815	03/05/08	14:06:48	150	369.1329	1408.1252	03/14/08	10:16:48	150	316.0782	1241.9690	03/25/08	09:56:48	150	462.1954	1339.0940
03/03/08	11:36:48	160	329.8829	1480.4065	03/05/08	14:16:48	160	367.7969	1402.0315	03/14/08	10:26:48	160	314.0157	1233.7190	03/25/08	10:06:48	160	455.9454	1368.4377
03/03/08	11:46:48	170	333.8907	1471.6252	03/05/08	14:26:48	170	365.7344	1397.4065	03/14/08	10:36:48	170	312.4688	1227.0315	03/25/08	10:16:48	170	455.9454	1347.7815
03/03/08	11:56:48	180	327.3047	1471.6565	03/05/08	14:36:48	180	366.5469	1401.9377	03/14/08	10:46:48	180	309.2266	1226.3440	03/25/08	10:26:48	180	449.8126	1340.6565
03/03/08	12:06:48	190	327.3047	1468.5315	03/05/08	14:46:48	190	366.1407	1399.9065	03/14/08	10:56:48	190	305.6172	1238.2190	03/25/08	10:36:48	190	452.8516	1345.7190
03/03/08	12:16:48	200	327.8204	1468.0315	03/05/08	14:56:48	200	365.9297	1395.1565	03/14/08	11:06:48	200	303.3204	1217.8752	03/25/08	10:46:48	200	450.7891	1350.8752
03/03/08	12:26:48	210	330.0157	1455.1252	03/05/08	15:06:48	210	366.0313	1405.5315	03/14/08	11:16:48	210	304.0626	1237.1877	03/25/08	10:56:48	210	451.7579	1346.1565
03/03/08	12:36:48	220	328.9844	1478.3752	03/05/08	15:16:48	220	368.7266	1400.4377	03/14/08	11:26:48	220	302.2891	1228.7190	03/25/08	11:06:48	220	452.3360	1339.5315
03/03/08	12:46:48	230	324.9844	1473.7502	03/05/08	15:26:48	230	369.6485	1400.9065	03/14/08	11:36:48	230	304.2110	1235.2815	03/25/08	11:16:48	230	451.8204	1361.7190
03/03/08	12:56:48	240	327.8204	1461.8440	03/05/08	15:36:48	240	368.1016	1409.1565	03/14/08	11:46:48	240	307.8204	1242.5002	03/25/08	11:26:48	240	446.8438	1328.9690
03/03/08	13:06:48	250	329.8829	1459.7502	03/05/08	15:46:48	250	366.3594	1399.5002	03/14/08	11:56:48	250	299.5626	1235.7815	03/25/08	11:36:48	250	446.7188	1332.9065
03/03/08	13:16:48	260	321.7579	1446.8752	03/05/08	15:56:48	260	370.7891	1392.6877	03/14/08	12:06:48	260	304.8672	1236.4377	03/25/08	11:46:48	260	447.1094	1341.5002
03/03/08	13:26:48	270	326.3985	1459.2815	03/05/08	16:06:48	270	364.7032	1417.0002	03/14/08	12:16:48	270	302.6563	1238.3752	03/25/08	11:56:48	270	446.2657	1337.1252
03/03/08																			

Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM
03/03/08	17:16:48	500	325.6251	1466.4690	03/05/08	19:56:48	500	362.2344	1402.5940	03/14/08	16:06:48	500	298.5313	1234.7502	03/25/08	15:46:48	500	441.5626	1326.7190
03/03/08	17:26:48	510	325.3672	1461.8440	03/05/08	20:06:48	510	362.5313	1399.4065	03/14/08	16:16:48	510	295.9532	1234.7502	03/25/08	15:56:48	510	447.7501	1337.5627
03/03/08	17:36:48	520	323.6876	1462.8752	03/05/08	20:16:48	520	372.7501	1414.8440	03/14/08	16:26:48	520	302.1407	1221.8440	03/25/08	16:06:48	520	448.6563	1333.2502
03/03/08	17:46:48	530	323.1719	1468.0315	03/05/08	20:26:48	530	363.5626	1411.7815	03/14/08	16:36:48	530	299.7110	1231.8127	03/25/08	16:16:48	530	448.6563	1341.0002
03/03/08	17:56:48	540	327.5626	1469.0940	03/05/08	20:36:48	540	365.7344	1405.1252	03/14/08	16:46:48	540	299.5626	1223.9065	03/25/08	16:26:48	540	443.6251	1331.3752
03/03/08	18:06:48	550	322.1407	1466.4690	03/05/08	20:46:48	550	362.5313	1410.7502	03/14/08	16:56:48	550	297.5001	1208.4377	03/25/08	16:36:48	550	443.6876	1342.2815
03/03/08	18:16:48	560	324.0782	1471.0940	03/05/08	20:56:48	560	370.1641	1421.0315	03/14/08	17:06:48	560	296.8360	1229.4377	03/25/08	16:46:48	560	447.6876	1339.0002
03/03/08	18:26:48	570	324.8516	1474.7502	03/05/08	21:06:48	570	362.1251	1419.0627	03/14/08	17:16:48	570	298.5313	1219.7815	03/25/08	16:56:48	570	444.1407	1329.8127
03/03/08	18:36:48	580	325.8829	1470.6252	03/05/08	21:16:48	580	359.3204	1434.4690	03/14/08	17:26:48	580	301.2579	1221.5002	03/25/08	17:06:48	580	443.1094	1338.5940
03/03/08	18:46:48	590	320.5938	1467.5002	03/05/08	21:26:48	590	369.5391	1421.0002	03/14/08	17:36:48	590	298.5313	1227.5315	03/25/08	17:16:48	590	447.1094	1340.4690
03/03/08	18:56:48	600	327.3047	1473.7190	03/05/08	21:36:48	600	362.2344	1399.5002	03/14/08	17:46:48	600	298.5313	1229.0940	03/25/08	17:26:48	600	448.2657	1337.5627
03/03/08	19:06:48	610	325.7579	1469.5627	03/05/08	21:46:48	610	366.5469	1414.3127	03/14/08	17:56:48	610	298.1563	1231.2815	03/25/08	17:36:48	610	444.0782	1334.8752
03/03/08	19:16:48	620	328.2110	1465.9377	03/05/08	21:56:48	620	369.2422	1406.6252	03/14/08	18:06:48	620	298.5313	1244.0627	03/25/08	17:46:48	620	446.7188	1340.6565
03/03/08	19:26:48	630	323.8204	1477.3440	03/05/08	22:06:48	630	368.1016	1414.3127	03/14/08	18:16:48	630	297.8672	1241.3127	03/25/08	17:56:48	630	445.6251	1346.7502
03/03/08	19:36:48	640	323.3047	1484.0315	03/05/08	22:16:48	640	362.5313	1399.9065	03/14/08	18:26:48	640	301.9141	1232.4690	03/25/08	18:06:48	640	443.1094	1348.9065
03/03/08	19:46:48	650	321.2422	1476.3127	03/05/08	22:26:48	650	366.1407	1415.4065	03/14/08	18:36:48	650	297.8672	1243.4065	03/25/08	18:16:48	650	447.2344	1342.1877
03/03/08	19:56:48	660	327.3047	1468.0315	03/05/08	22:36:48	660	368.5079	1414.7815	03/14/08	18:46:48	660	295.4376	1241.9690	03/25/08	18:26:48	660	448.5938	1353.3127
03/03/08	20:06:48	670	325.2422	1479.9065	03/05/08	22:46:48	670	358.2891	1430.3440	03/14/08	18:56:48	670	296.0938	1239.5315	03/25/08	18:36:48	670	447.1094	1352.3440
03/03/08	20:16:48	680	327.6876	1471.6252	03/05/08	22:56:48	680	372.2344	1414.8440	03/14/08	19:06:48	680	299.0469	1234.2502	03/25/08	18:46:48	680	448.6563	1354.9377
03/03/08	20:26:48	690	325.2422	1492.3127	03/05/08	23:06:48	690	369.3438	1430.4065	03/14/08	19:16:48	690	300.5938	1237.3440	03/25/08	18:56:48	690	448.2657	1340.1252
03/03/08	20:36:48	700	327.3047	1477.8440	03/05/08	23:16:48	700	364.5938	1424.1877	03/14/08	19:26:48	700	299.4219	1244.9377	03/25/08	19:06:48	700	448.2032	1355.0002
03/03/08	20:46:48	710	326.2735	1475.2502	03/05/08	23:26:48	710	363.1563	1418.5315	03/14/08	19:36:48	710	294.2579	1244.4377	03/25/08	19:16:48	710	448.3282	1350.0315
03/03/08	20:56:48	720	322.7891	1474.7502	03/05/08	23:36:48	720	362.6407	1427.3127	03/14/08	19:46:48	720	299.0469	1239.9065	03/25/08	19:26:48	720	450.2735	1355.0002
03/03/08	21:06:48	730	324.6016	1480.9690	03/05/08	23:46:48	730	355.4141	1424.7190	03/14/08	19:56:48	730	296.9844	1242.5002	03/25/08	19:36:48	730	444.5938	1355.0002
03/03/08	21:16:48	740	323.8204	1479.9065	03/05/08	23:56:48	740	359.5469	1415.4377	03/14/08	20:06:48	740	302.1407	1239.9065	03/25/08	19:46:48	740	448.2657	1355.0940
03/03/08	21:26:48	750	322.2735	1480.4377	03/06/08	00:06:48	750	364.5938	1415.9065	03/14/08	20:16:48	750	299.5626	1240.9377	03/25/08	19:56:48	750	449.1719	1357.0002
03/03/08	21:36:48	760	326.2735	1477.8440	03/06/08	00:16:48	760	363.0469	1411.7815	03/14/08	20:26:48	760	303.6954	1241.9690	03/25/08	20:06:48	760	448.7188	

Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM
03/04/08	01:26:48	990	328.0782	1478.3752	03/06/08	04:06:48	990	369.7579	1412.8127	03/15/08	00:16:48	990	302.6563	1246.6252	03/25/08	23:56:48	990	448.0782	1364.1565
03/04/08	01:36:48	1000	329.2422	1494.8752	03/06/08	04:16:48	1000	365.5157	1425.6877	03/15/08	00:26:48	1000	301.1094	1244.5627	03/26/08	00:06:48	1000	449.2969	1353.5315
03/04/08	01:46:48	1010	328.9844	1489.2190	03/06/08	04:26:48	1010	369.0235	1433.9065	03/15/08	00:36:48	1010	304.4922	1243.3127	03/26/08	00:16:48	1010	450.2735	1359.6565
03/04/08	01:56:48	1020	328.3360	1493.8440	03/06/08	04:36:48	1020	365.6251	1428.8127	03/15/08	00:46:48	1020	306.7891	1228.0627	03/26/08	00:26:48	1020	448.7188	1350.8752
03/04/08	02:06:48	1030	324.2032	1483.0002	03/06/08	04:46:48	1030	373.2657	1413.8127	03/15/08	00:56:48	1030	305.7579	1226.5002	03/26/08	00:36:48	1030	447.2344	1354.5627
03/04/08	02:16:48	1040	327.8204	1491.2502	03/06/08	04:56:48	1040	367.6876	1426.2502	03/15/08	01:06:48	1040	304.3516	1226.1252	03/26/08	00:46:48	1040	447.6251	1357.0002
03/04/08	02:26:48	1050	327.8204	1485.5940	03/06/08	05:06:48	1050	360.5782	1445.8752	03/15/08	01:16:48	1050	305.3829	1231.2815	03/26/08	00:56:48	1050	444.7188	1359.2815
03/04/08	02:36:48	1060	323.4376	1497.9690	03/06/08	05:16:48	1060	366.6563	1443.2815	03/15/08	01:26:48	1060	302.8907	1244.2815	03/26/08	01:06:48	1060	448.2032	1350.3752
03/04/08	02:46:48	1070	327.0469	1505.7190	03/06/08	05:26:48	1070	368.7266	1431.4065	03/15/08	01:36:48	1070	305.2422	1250.7502	03/26/08	01:16:48	1070	447.1719	1364.8127
03/04/08	02:56:48	1080	327.0469	1492.8127	03/06/08	05:36:48	1080	372.9532	1432.4690	03/15/08	01:46:48	1080	302.2891	1253.4690	03/26/08	01:26:48	1080	446.7188	1368.0002
03/04/08	03:06:48	1090	324.2032	1510.3752	03/06/08	05:46:48	1090	371.6094	1417.3752	03/15/08	01:56:48	1090	302.9454	1246.9065	03/26/08	01:36:48	1090	448.3282	1361.3440
03/04/08	03:16:48	1100	323.8204	1485.0627	03/06/08	05:56:48	1100	370.0626	1429.2502	03/15/08	02:06:48	1100	305.2422	1245.5940	03/26/08	01:46:48	1100	449.2344	1359.6565
03/04/08	03:26:48	1110	327.0469	1494.3752	03/06/08	06:06:48	1110	367.5860	1451.0002	03/15/08	02:16:48	1110	305.1016	1247.5315	03/26/08	01:56:48	1110	444.0079	1370.4377
03/04/08	03:36:48	1120	323.9532	1505.7190	03/06/08	06:16:48	1120	375.9454	1443.7815	03/15/08	02:26:48	1120	302.6563	1250.2502	03/26/08	02:06:48	1120	447.6876	1374.1252
03/04/08	03:46:48	1130	325.7579	1479.9065	03/06/08	06:26:48	1130	370.2735	1442.2502	03/15/08	02:36:48	1130	308.8516	1250.7502	03/26/08	02:16:48	1130	446.6563	1357.0627
03/04/08	03:56:48	1140	325.3672	1488.6877	03/06/08	06:36:48	1140	368.6172	1420.5315	03/15/08	02:46:48	1140	303.5469	1251.6565	03/26/08	02:26:48	1140	448.6563	1375.5940
03/04/08	04:06:48	1150	322.1407	1525.8752	03/06/08	06:46:48	1150	373.9844	1429.3752	03/15/08	02:56:48	1150	305.6172	1245.9690	03/26/08	02:36:48	1150	447.6251	1376.6252
03/04/08	04:16:48	1160	322.2735	1494.3752	03/06/08	06:56:48	1160	363.6719	1422.6565	03/15/08	03:06:48	1160	299.7110	1249.8752	03/26/08	02:46:48	1160	447.6876	1372.0315
03/04/08	04:26:48	1170	322.2735	1710.6252	03/06/08	07:06:48	1170	373.3672	1428.3127	03/15/08	03:16:48	1170	295.9532	1254.3752	03/26/08	02:56:48	1170	447.6876	1374.6252
03/04/08	04:36:48	1180	312.1876	1476.7815	03/06/08	07:16:48	1180	374.3985	1415.9065	03/15/08	03:26:48	1180	302.0001	1254.2502	03/26/08	03:06:48	1180	445.1094	1372.0315
03/04/08	04:46:48	1190	302.5157	1480.9377	03/06/08	07:26:48	1190	373.8829	1429.8440	03/15/08	03:36:48	1190	303.6954	1248.1877	03/26/08	03:16:48	1190	448.1407	1365.2502
03/04/08	04:56:48	1200	301.3438	1516.0627	03/06/08	07:36:48	1200	375.5391	1420.0940	03/15/08	03:46:48	1200	300.0782	1253.8440	03/26/08	03:26:48	1200	446.5938	1377.1252
03/04/08	05:06:48	1210	300.5938	1487.6565	03/06/08	07:46:48	1210	372.7501	1433.4377	03/15/08	03:56:48	1210	301.1094	1257.9690	03/26/08	03:36:48	1210	450.7266	1365.7815
03/04/08	05:16:48	1220	301.8594	1492.8127	03/06/08	07:56:48	1220	375.4297	1442.7502	03/15/08	04:06:48	1220	305.1016	1256.3127	03/26/08	03:46:48	1220	449.6954	1370.9377
03/04/08	05:26:48	1230	303.6954	1514.5002	03/06/08	08:06:48	1230	380.1797	1431.4377	03/15/08	04:16:48	1230	301.4844	1252.1565	03/26/08	03:56:48	1230	450.6641	1372.4065
03/04/08	05:36:48	1240	301.4844	1509.8440	03/06/08	08:16:48	1240	375.9454	1426.7502	03/15/08	04:26:48	1240	304.5860	1248.0315	03/26/08	04:06:48	1240	446.1407	1372.5627
03/04/08	05:46:48	1250	308.3360	1505.7190	03/06/08	08:26:48	1250	377.0860	1422.1565										

Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow	Date/Time		Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy	hh:mm:ss	Minutes	SCFM	SCFM
03/04/08	09:36:48	1480	315.5626	1461.3440	03/06/08	12:16:48	1480	377.5001	1405.5940	03/15/08	08:26:48	1480	311.8126	1242.3440	03/26/08	08:06:48	1480	452.8516	1344.1877
03/04/08	09:46:48	1490	320.3438	1458.2502	03/06/08	12:26:48	1490	376.6719	1404.1565	03/15/08	08:36:48	1490	308.8516	1244.0627	03/26/08	08:16:48	1490	454.3985	1361.2190
03/04/08	09:56:48	1500	322.2735	1453.5940	03/06/08	12:36:48	1500	377.5001	1390.1252	03/15/08	08:46:48	1500	305.9922	1243.7815	03/26/08	08:26:48	1500	451.3047	1345.2190
03/04/08	10:06:48	1510	319.1719	1456.1877	03/06/08	12:46:48	1510	378.5313	1398.8752	03/15/08	08:56:48	1510	313.7735	1245.3752	03/26/08	08:36:48	1510	448.2657	1341.6877
03/04/08	10:16:48	1520	324.8594	1449.0627	03/06/08	12:56:48	1520	377.0860	1398.4377	03/15/08	09:06:48	1520	311.4376	1232.1877	03/26/08	08:46:48	1520	448.2032	1364.3127
03/04/08	10:26:48	1530	320.2110	1468.0315	03/06/08	13:06:48	1530	380.5938	1388.0315	03/15/08	09:16:48	1530	312.3282	1245.9690	03/26/08	08:56:48	1530	447.6251	1347.7190
03/04/08	10:36:48	1540	321.2422	1442.7502	03/06/08	13:16:48	1540	380.1797	1402.5627	03/15/08	09:26:48	1540	310.9141	1235.7815	03/26/08	09:06:48	1540	446.6563	1354.5002
03/04/08	10:46:48	1550	321.3751	1442.7815	03/06/08	13:26:48	1550	376.9844	1391.6565	03/15/08	09:36:48	1550	311.9532	1238.3752	03/26/08	09:16:48	1550	446.6563	1350.8752
03/04/08	10:56:48	1560	321.7579	1448.4377	03/06/08	13:36:48	1560	374.9141	1406.0940	03/15/08	09:46:48	1560	309.7501	1235.6565	03/26/08	09:26:48	1560	442.9766	1350.2815
03/04/08	11:06:48	1570	321.1094	1440.1252	03/06/08	13:46:48	1570	378.0157	1400.9377	03/15/08	09:56:48	1570	310.0235	1234.9065	03/26/08	09:36:48	1570	442.5313	1347.7815
03/04/08	11:16:48	1580	323.5547	1451.4690	03/06/08	13:56:48	1580	378.4297	1407.5940	03/15/08	10:06:48	1580	308.3360	1239.4065	03/26/08	09:46:48	1580	447.6251	1353.3752
03/04/08	11:26:48	1590	323.6876	1445.3127	03/06/08	14:06:48	1590	378.9454	1395.7190	03/15/08	10:16:48	1590	307.4454	1232.8440	03/26/08	09:56:48	1590	445.1719	1339.6252
03/04/08	11:36:48	1600	323.1719	1439.6252	03/06/08	14:16:48	1600	376.4610	1396.8127	03/15/08	10:26:48	1600	306.2735	1236.8127	03/26/08	10:06:48	1600	445.6251	1333.3440
03/04/08	11:46:48	1610	325.3672	1446.8752	03/06/08	14:26:48	1610	376.4610	1406.0940	03/15/08	10:36:48	1610	307.3047	1234.7502	03/26/08	10:16:48	1610	442.4610	1341.0002
03/04/08	11:56:48	1620	321.5079	1432.0002	03/06/08	14:36:48	1620	374.5001	1388.6252	03/15/08	10:46:48	1620	304.2110	1221.3440	03/26/08	10:26:48	1620	443.0469	1335.4065
03/04/08	12:06:48	1630	321.1094	1432.9065	03/06/08	14:46:48	1630	379.9766	1411.7502	03/15/08	10:56:48	1630	310.2657	1235.6565	03/26/08	10:36:48	1630	441.1094	1328.3752
03/04/08	12:16:48	1640	320.7266	1445.8440	03/06/08	14:56:48	1640	377.2969	1396.1877	03/15/08	11:06:48	1640	307.3047	1232.1877	03/26/08	10:46:48	1640	434.8594	1343.7502
					03/06/08	15:06:48	1650	381.5235	1400.3752	03/15/08	11:16:48	1650	306.4141	1231.8127	03/26/08	10:56:48	1650	443.0469	1341.0940
	27.3				03/06/08	15:16:48	1660	377.5001	1384.4377	03/15/08	11:26:48	1660	307.0235	1231.3752	03/26/08	11:06:48	1660	433.8985	1333.5315
			323.0175	1475.5789	03/06/08	15:26:48	1670	376.9844	1414.3752	03/15/08	11:36:48	1670	302.6563	1225.9690	03/26/08	11:16:48	1670	444.5938	1340.5627
					03/06/08	15:36:48	1680	378.0157	1399.4065	03/15/08	11:46:48	1680	303.0313	1232.5315	03/26/08	11:26:48	1680	441.0469	1329.8127
					03/06/08	15:46:48	1690	377.5001	1398.8752	03/15/08	11:56:48	1690	302.0001	1225.8440	03/26/08	11:36:48	1690	438.3985	1343.1565
					03/06/08	15:56:48	1700	376.8751	1396.2502	03/15/08	12:06:48	1700	303.0313	1227.3752	03/26/08	11:46:48	1700	441.0469	1343.7502
					03/06/08	16:06:48	1710	376.8751	1410.1877	03/15/08	12:16:48	1710	303.9766	1225.7815	03/26/08	11:56:48	1710	436.9922	1337.1252
					03/06/08	16:16:48	1720	377.9141	1394.6877	03/15/08	12:26:48	1720	303.6954	1223.9065	03/26/08	12:06:48	1720	442.5313	1347.2815
					03/06/08	16:26:48	1730	378.6329	1406.1565	03/15/08	12:36:48	1730	302.6563	1221.3440	03/26/08	12:16:48	1730	437.9532	1335.5002
					03/06/08	16:36:48	1740	377.1876	1396.4065	03/15/08	12:46:48	1740	301.3985	1221.1252	03/26/08	12:26:48	1740	440.5313	1331.3752
					03/06/08	16:46:48	1750	378.4297	1385.4065	03/15/08	12:56:48	1750	297.5001	1227.0315	03/26/08	12:36:48	1750	435.8204	1339.5315
					03/06/08	16:56:48	1760												

Date/Time mm/dd/yy hh:mm:ss	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy hh:mm:ss		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy hh:mm:ss		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy hh:mm:ss		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				Date/Time mm/dd/yy hh:mm:ss	Elapsed Time Minutes				Date/Time mm/dd/yy hh:mm:ss	Elapsed Time Minutes				Date/Time mm/dd/yy hh:mm:ss	Elapsed Time Minutes			
				03/06/08 20:26:48	1970	377.9141	1410.1877		03/15/08 16:36:48	1970	300.7422	1235.9377		03/26/08 16:16:48	1970	443.9454	1345.0315	
				03/06/08 20:36:48	1980	376.8751	1412.7815		03/15/08 16:46:48	1980	291.3047	1239.4065		03/26/08 16:26:48	1980	440.5313	1340.1252	
				03/06/08 20:46:48	1990	373.3672	1410.2502		03/15/08 16:56:48	1990	295.8047	1236.1565		03/26/08 16:36:48	1990	443.5626	1338.5002	
				03/06/08 20:56:48	2000	378.4297	1406.5627		03/15/08 17:06:48	2000	297.1251	1236.9690		03/26/08 16:46:48	2000	441.0469	1344.2502	
				03/06/08 21:06:48	2010	373.2657	1410.7190		03/15/08 17:16:48	2010	295.4376	1238.8752		03/26/08 16:56:48	2010	444.6563	1350.4377	
				03/06/08 21:16:48	2020	370.2735	1411.2815		03/15/08 17:26:48	2020	295.9532	1231.6565		03/26/08 17:06:48	2020	438.9141	1346.7502	
				03/06/08 21:26:48	2030	369.6485	1421.0315		03/15/08 17:36:48	2030	297.8672	1237.7190		03/26/08 17:16:48	2030	439.4297	1334.8752	
				03/06/08 21:36:48	2040	369.1329	1430.3440		03/15/08 17:46:48	2040	294.2579	1237.1877		03/26/08 17:26:48	2040	445.6251	1342.6252	
				03/06/08 21:46:48	2050	377.3985	1424.6565		03/15/08 17:56:48	2050	295.4376	1237.8440		03/26/08 17:36:48	2050	442.2110	1350.6252	
				03/06/08 21:56:48	2060	372.8516	1435.0002		03/15/08 18:06:48	2060	298.8985	1235.1252		03/26/08 17:46:48	2060	443.1094	1348.9065	
				03/06/08 22:06:48	2070	372.2344	1434.4690		03/15/08 18:16:48	2070	296.0938	1237.4690		03/26/08 17:56:48	2070	444.0782	1341.5940	
				03/06/08 22:16:48	2080	373.2657	1425.1565		03/15/08 18:26:48	2080	296.4688	1238.8752		03/26/08 18:06:48	2080	446.1407	1349.3440	
				03/06/08 22:26:48	2090	374.5001	1415.9690		03/15/08 18:36:48	2090	295.4376	1246.1252		03/26/08 18:16:48	2090	442.4610	1351.3127	
				03/06/08 22:36:48	2100	369.6485	1422.5940		03/15/08 18:46:48	2100	296.3204	1247.5315		03/26/08 18:26:48	2100	445.0469	1347.1877	
				03/06/08 22:46:48	2110	375.3282	1407.5940		03/15/08 18:56:48	2110	293.8829	1247.1565		03/26/08 18:36:48	2110	447.2344	1350.4377	
				03/06/08 22:56:48	2120	365.6251	1411.2815		03/15/08 19:06:48	2120	299.4219	1239.2502		03/26/08 18:46:48	2120	447.7501	1346.8440	
				03/06/08 23:06:48	2130	371.7110	1421.5627		03/15/08 19:16:48	2130	303.0313	1246.5002		03/26/08 18:56:48	2130	447.7501	1352.5002	
				03/06/08 23:16:48	2140	368.1016	1421.0315		03/15/08 19:26:48	2140	304.0626	1239.7815		03/26/08 19:06:48	2140	446.0782	1351.3127	
				03/06/08 23:26:48	2150	366.0313	1418.4377		03/15/08 19:36:48	2150	303.1719	1244.5627		03/26/08 19:16:48	2150	446.0782	1356.4690	
				03/06/08 23:36:48	2160	363.3438	1416.3440		03/15/08 19:46:48	2160	304.7266	1247.1565		03/26/08 19:26:48	2160	446.0157	1356.9065	
				03/06/08 23:46:48	2170	365.6251	1418.5002		03/15/08 19:56:48	2170	306.1329	1238.7502		03/26/08 19:36:48	2170	445.6876	1350.9690	
				03/06/08 23:56:48	2180	363.4532	1436.0002		03/15/08 20:06:48	2180	305.2422	1241.9690		03/26/08 19:46:48	2180	445.1094	1352.4377	
				03/07/08 00:06:48	2190	371.1954	1415.8752		03/15/08 20:16:48	2190	305.2422	1245.0940		03/26/08 19:56:48	2190	451.6954	1366.7502	
				03/07/08 00:16:48	2200	368.4219	1413.9377		03/15/08 20:26:48	2200	306.6485	1247.5315		03/26/08 20:06:48	2200	448.3282	1356.7190	
				03/07/08 00:26:48	2210	374.8126	1424.6565		03/15/08 20:36:48	2210	307.4454	1241.0940		03/26/08 20:16:48	2210	449.8126	1362.8440	
				03/07/08 00:36:48	2220	369.1329	1425.6877		03/15/08 20:46:48	2220	303.0313	1252.1565		03/26/08 20:26:48	2220	451.8751	1347.3440	
				03/07/08 00:46:48	2230	365.5157	1427.2190		03/15/08 20:56:48	2230	307.6797	1258.8752		03/26/08 20:36:48	2230	452.8516	1360.6877	
				03/07/08 00:56:48	2240	370.1641	1432.4065		03/15/08 21:06:48	2240	302.2891	1245.7502		03/26/08 20:46:48	2240	450.2735	1357.0627	
				03/07/08 01:06:48	2250	364.4844	1432.9065		03/15/08 21:16:48	2250	302.0001	1247.0002		03/26/08 20:56:48	2250	450.2735	1357.0627	
				03/07/08 01:16:48	2260	366.2501	1435.5627		03/15/08 21:26:48	2260	300.5938	1246.1252		03/26/08 21:06:48	2260	447.6876	1366.3752	
				03/07/08 01:26:48	2270	369.6485	1433.9377		03/15/08 21:36:48	2270	301.6251	1249.2190		03/26/08 21:16:48	2270	450.3282	1362.3127	
				03/07/08 01:36:48	2280	368.8282	1413.3752		03/15/08 21:46:48									

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				
03/07/08	04:36:48	2460	364.4844	1425.6877	03/16/08	00:46:48	2460	300.2266	1233.3440	03/27/08	00:26:48	2460	446.5938	1366.8127					
03/07/08	04:46:48	2470	365.5157	1441.1877	03/16/08	00:56:48	2470	297.5001	1245.0940	03/27/08	00:36:48	2470	450.7891	1373.5940					
03/07/08	04:56:48	2480	367.9922	1430.2815	03/16/08	01:06:48	2480	295.8047	1231.0002	03/27/08	00:46:48	2480	447.6876	1350.8752					
03/07/08	05:06:48	2490	365.7344	1423.1877	03/16/08	01:16:48	2490	291.8204	1237.3440	03/27/08	00:56:48	2490	447.6876	1364.8127					
03/07/08	05:16:48	2500	365.0001	1436.0002	03/16/08	01:26:48	2500	291.1563	1215.0002	03/27/08	01:06:48	2500	445.5626	1363.7190					
03/07/08	05:26:48	2510	361.7891	1457.6877	03/16/08	01:36:48	2510	287.3282	1222.5315	03/27/08	01:16:48	2510	445.1719	1359.7502					
03/07/08	05:36:48	2520	367.6876	1444.3127	03/16/08	01:46:48	2520	285.8360	1231.8752	03/27/08	01:26:48	2520	447.8126	1365.4690					
03/07/08	05:46:48	2530	371.1954	1448.4065	03/16/08	01:56:48	2530	293.5860	1237.5627	03/27/08	01:36:48	2530	451.7579	1359.5940					
03/07/08	05:56:48	2540	368.6172	1425.6877	03/16/08	02:06:48	2540	293.8829	1253.3440	03/27/08	01:46:48	2540	448.7813	1368.5002					
03/07/08	06:06:48	2550	373.2657	1427.7502	03/16/08	02:16:48	2550	289.4532	1232.9065	03/27/08	01:56:48	2550	448.1407	1374.0315					
03/07/08	06:16:48	2560	365.1094	1431.4065	03/16/08	02:26:48	2560	285.7813	1240.0627	03/27/08	02:06:48	2560	448.2657	1371.0940					
03/07/08	06:26:48	2570	368.1016	1443.2502	03/16/08	02:36:48	2570	301.4844	1245.4690	03/27/08	02:16:48	2570	446.7188	1346.8440					
03/07/08	06:36:48	2580	359.5469	1438.6565	03/16/08	02:46:48	2580	298.2422	1247.9065	03/27/08	02:26:48	2580	450.2110	1365.2502					
03/07/08	06:46:48	2590	367.5860	1437.0315	03/16/08	02:56:48	2590	295.9532	1232.6877	03/27/08	02:36:48	2590	447.1094	1369.4065					
03/07/08	06:56:48	2600	369.5391	1429.7815	03/16/08	03:06:48	2600	289.7579	1248.1877	03/27/08	02:46:48	2600	445.1719	1357.1565					
03/07/08	07:06:48	2610	372.6407	1439.5940	03/16/08	03:16:48	2610	289.4532	1245.8440	03/27/08	02:56:48	2610	447.1719	1362.7502					
03/07/08	07:16:48	2620	367.5860	1434.9690	03/16/08	03:26:48	2620	281.3438	1238.7502	03/27/08	03:06:48	2620	449.1719	1362.1565					
03/07/08	07:26:48	2630	368.3126	1439.1877	03/16/08	03:36:48	2630	303.5469	1260.9377	03/27/08	03:16:48	2630	442.0079	1364.3127					
03/07/08	07:36:48	2640	369.0235	1433.4065	03/16/08	03:46:48	2640	296.8360	1241.3127	03/27/08	03:26:48	2640	448.2032	1355.0002					
03/07/08	07:46:48	2650	369.1329	1423.6252	03/16/08	03:56:48	2650	285.1094	1256.9377	03/27/08	03:36:48	2650	447.0469	1361.0627					
03/07/08	07:56:48	2660	373.6797	1417.3752	03/16/08	04:06:48	2660	284.4454	1248.0315	03/27/08	03:46:48	2660	448.2032	1362.2502					
03/07/08	08:06:48	2670	372.7501	1427.2190	03/16/08	04:16:48	2670	285.6251	1245.5940	03/27/08	03:56:48	2670	446.0782	1379.7190					
03/07/08	08:16:48	2680	369.8594	1423.6877	03/16/08	04:26:48	2680	299.7891	1249.9690	03/27/08	04:06:48	2680	448.1407	1367.8440					
03/07/08	08:26:48	2690	375.8438	1410.7190	03/16/08	04:36:48	2690	297.2032	1273.2190	03/27/08	04:16:48	2690	450.2110	1376.6252					
03/07/08	08:36:48	2700	368.1016	1424.6565	03/16/08	04:46:48	2700	291.9688	1251.9377	03/27/08	04:26:48	2700	449.2344	1366.3752					
03/07/08	08:46:48	2710	378.0157	1419.0002	03/16/08	04:56:48	2710	292.1876	1247.5315	03/27/08	04:36:48	2710	447.6876	1376.6877					
03/07/08	08:56:48	2720	371.6094	1413.2502	03/16/08	05:06:48	2720	302.3751	1253.5940	03/27/08	04:46:48	2720	441.8829	1367.7815					
03/07/08	09:06:48	2730	373.3672	1405.0627	03/16/08	05:16:48	2730	287.5391	1251.6565	03/27/08	04:56:48	2730	451.8204	1356.0315					
03/07/08	09:16:48	2740	367.6876	1408.1877	03/16/08	05:26:48	2740	291.3047	1263.6565	03/27/08	05:06:48	2740	448.0782	1366.2190					
03/07/08	09:26:48	2750	376.2579	1431.3127	03/16/08	05:36:48	2750	282.0157	1247.6565	03/27/08	05:16:48	2750	448.6563	1366.2815					
03/07/08	09:36:48	2760	368.6172	1410.7190	03/16/08	05:46:48	2760	294.2579	1254.7502	03/27/08	05:26:48	2760	449.3594	1363.4					

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM								
				Date/Time		Time				Date/Time		Time				Date/Time		Time											
				mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy							
03/07/08	13:06:48	2950	415.0938	1361.6565	03/16/08	08:56:48	2950	295.7266	1244.8440	03/27/08	08:36:48	2950	454.3985	1356.5627	03/07/08	13:16:48	2960	417.1563	1377.6565	03/16/08	09:06:48	2960	294.3985	1229.5940	03/27/08	08:46:48	2960	452.2735	1361.6565
03/07/08	13:26:48	2970	414.2266	1355.5940	03/16/08	09:16:48	2970	293.3672	1249.7190	03/27/08	08:56:48	2970	452.3360	1343.6565	03/07/08	13:36:48	2980	413.1094	1371.0002	03/16/08	09:26:48	2980	299.9376	1255.7815	03/27/08	09:06:48	2980	443.5626	1351.9065
03/07/08	13:46:48	2990	412.5079	1364.2190	03/16/08	09:36:48	2990	300.0782	1241.4690	03/27/08	09:16:48	2990	447.6876	1345.2190	03/07/08	13:56:48	3000	415.1719	1350.8752	03/16/08	09:46:48	3000	297.2032	1257.1877	03/27/08	09:26:48	3000	451.3047	1338.5002
03/07/08	14:06:48	3010	412.0782	1373.5940	03/16/08	09:56:48	3010	294.2579	1249.5940	03/27/08	09:36:48	3010	436.8516	1342.6252	03/07/08	14:16:48	3020	407.9454	1367.9065	03/16/08	10:06:48	3020	297.5001	1249.7190	03/27/08	09:46:48	3020	444.0782	1346.7502
03/07/08	14:26:48	3030	415.1719	1370.5002	03/16/08	10:16:48	3030	305.7579	1244.5627	03/27/08	09:56:48	3030	438.7813	1353.8127	03/07/08	14:36:48	3040	410.0938	1358.1877	03/16/08	10:26:48	3040	306.9297	1252.4377	03/27/08	10:06:48	3040	448.2032	1334.8752
03/07/08	14:46:48	3050	412.0782	1364.8127	03/16/08	10:36:48	3050	302.8047	1258.6252	03/27/08	10:16:48	3050	444.0079	1336.8752	03/07/08	14:56:48	3060	414.5782	1368.8752	03/16/08	10:46:48	3060	303.6954	1240.9377	03/27/08	10:26:48	3060	447.1719	1339.0002
03/07/08	15:06:48	3070	414.6563	1356.5627	03/16/08	10:56:48	3070	296.9844	1230.6252	03/27/08	10:36:48	3070	449.7501	1332.3127	03/07/08	15:16:48	3080	411.4766	1352.3440	03/16/08	11:06:48	3080	290.2735	1250.2502	03/27/08	10:46:48	3080	447.1719	1335.4065
03/07/08	15:26:48	3090	412.6719	1374.1877	03/16/08	11:16:48	3090	289.7579	1244.0627	03/27/08	10:56:48	3090	442.6563	1345.3752	03/07/08	15:36:48	3100	414.1407	1372.5627	03/16/08	11:26:48	3100	291.8204	1247.6565	03/27/08	11:06:48	3100	439.4297	1329.7190
03/07/08	15:46:48	3110	413.0235	1358.5627	03/16/08	11:36:48	3110	302.0001	1242.3440	03/27/08	11:16:48	3110	444.0079	1347.1877	03/07/08	15:56:48	3120	412.1563	1353.0315	03/16/08	11:46:48	3120	302.6563	1240.9377	03/27/08	11:26:48	3120	444.7188	1337.1252
03/07/08	16:06:48	3130	414.7422	1358.7190	03/16/08	11:56:48	3130	289.6094	1244.4377	03/27/08	11:36:48	3130	442.0782	1338.5940	03/07/08	16:16:48	3140	408.9766	1370.5002	03/16/08	12:06:48	3140	295.8047	1231.5002	03/27/08	11:46:48	3140	442.0782	1343.7502
03/07/08	16:26:48	3150	407.4297	1356.0315	03/16/08	12:16:48	3150	295.9532	1241.4690	03/27/08	11:56:48	3150	441.4922	1346.2502	03/07/08	16:36:48	3160	414.0626	1361.6565	03/16/08	12:26:48	3160	307.1641	1239.7815	03/27/08	12:06:48	3160	441.5626	1336.0002
03/07/08	16:46:48	3170	415.1719	1357.0627	03/16/08	12:36:48	3170	291.9688	1228.7190	03/27/08	12:16:48	3170	440.4610	1343.6565	03/07/08	16:56:48	3180	412.1563	1351.4690	03/16/08	12:46:48	3180	290.2735	1242.5002	03/27/08	12:26:48	3180	444.4610	1346.0627
03/07/08	17:06:48	3190	409.4141	1350.2815	03/16/08	12:56:48	3190	300.0782	1236.8127	03/27/08	12:36:48	3190	439.0469	1329.9065	03/07/08	17:16:48	3200	411.1251	1375.7190	03/16/08	13:06:48	3200	310.2657	1244.4377	03/27/08	12:46:48	3200	443.5626	1338.5002
03/07/08	17:26:48	3210	412.8360	1356.8127	03/16/08	13:16:48	3210	296.4688	1228.0627	03/27/08	12:56:48	3210	443.6251	1326.7190	03/07/08	17:36:48	3220	415.6876	1359.6565	03/16/08	13:26:48	3220	295.9532	1239.9065	03/27/08	13:06:48	3220	435.4454	1330.9377
03/07/08	17:46:48	3230	410.5313	1351.9065	03/16/08	13:36:48	3230	302.0001	1244.9377	03/27/08	13:16:48	3230	446.6563	1335.4065	03/07/08	17:56:48	3240	411.0469	1358.6252	03/16/08	13:46:48	3240	296.0938	1240.5627	03/27/08	13:26:48	3240	440.4610	1323.5315
03/07/08	18:06:48	3250	413.1094	1360.1877	03/16/08	13:56:48	3250	296.9844	1244.5627	03/27/08	13:36:48	3250	444.5938	1333.8440	03/07/08	18:16:48	3260	411.0469	1367.4065	03/16/08	14:06:48	3260	308.8516	1241.4690	03/27/08	13:46:48	3260	438.9844	1338.0627
03/07/08	18:26:48	3270																											

Date/Time mm/dd/yy	Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy			Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy			Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy			Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM		
				Date/Time mm/dd/yy		Time hh:mm:ss				Date/Time mm/dd/yy		Time hh:mm:ss				Date/Time mm/dd/yy		Time hh:mm:ss					
				mm/dd/yy	hh:mm:ss	Minutes	mm/dd/yy	hh:mm:ss	Minutes	mm/dd/yy	hh:mm:ss	Minutes	mm/dd/yy	hh:mm:ss	Minutes	mm/dd/yy	hh:mm:ss	Minutes	mm/dd/yy	hh:mm:ss	Minutes	mm/dd/yy	
				03/07/08	21:16:48	3440	414.2266	1397.4065	03/16/08	17:06:48	3440	303.1719	1239.9065	03/27/08	16:46:48	3440	442.0782	1326.7190					
				03/07/08	21:26:48	3450	415.0938	1383.8440	03/16/08	17:16:48	3450	304.5860	1252.1565	03/27/08	16:56:48	3450	442.6563	1332.5002					
				03/07/08	21:36:48	3460	417.1563	1375.0627	03/16/08	17:26:48	3460	306.5079	1242.7190	03/27/08	17:06:48	3460	441.0469	1324.6565					
				03/07/08	21:46:48	3470	413.6251	1397.3440	03/16/08	17:36:48	3470	308.3360	1253.3440	03/27/08	17:16:48	3470	442.5313	1320.4377					
				03/07/08	21:56:48	3480	415.7735	1387.5940	03/16/08	17:46:48	3480	302.8907	1237.0627	03/27/08	17:26:48	3480	447.1719	1337.4690					
				03/07/08	22:06:48	3490	414.0626	1381.2815	03/16/08	17:56:48	3490	304.7266	1250.7502	03/27/08	17:36:48	3490	448.2032	1334.8752					
				03/07/08	22:16:48	3500	414.6563	1378.7502	03/16/08	18:06:48	3500	306.2735	1227.0315	03/27/08	17:46:48	3500	443.6876	1339.1877					
				03/07/08	22:26:48	3510	417.7579	1390.6252	03/16/08	18:16:48	3510	307.8204	1221.3440	03/27/08	17:56:48	3510	447.1094	1329.6252					
				03/07/08	22:36:48	3520	418.7891	1394.2502	03/16/08	18:26:48	3520	300.8204	1231.8752	03/27/08	18:06:48	3520	447.1719	1332.8127					
				03/07/08	22:46:48	3530	411.0469	1389.5940	03/16/08	18:36:48	3530	302.1407	1243.5315	03/27/08	18:16:48	3530	444.2032	1338.1565					
				03/07/08	22:56:48	3540	414.6563	1390.1252	03/16/08	18:46:48	3540	302.0001	1246.5002	03/27/08	18:26:48	3540	447.1719	1334.3752					
				03/07/08	23:06:48	3550	413.4610	1380.6877	03/16/08	18:56:48	3550	304.7266	1225.9690	03/27/08	18:36:48	3550	444.0782	1332.8127					
				03/07/08	23:16:48	3560	413.5469	1388.5002	03/16/08	19:06:48	3560	288.8751	1231.8127	03/27/08	18:46:48	3560	444.6563	1339.0940					
				03/07/08	23:26:48	3570	411.1251	1386.5627	03/16/08	19:16:48	3570	302.0001	1237.7190	03/27/08	18:56:48	3570	444.6563	1338.5940					
				03/07/08	23:36:48	3580	413.0235	1374.0315	03/16/08	19:26:48	3580	295.9532	1222.3752	03/27/08	19:06:48	3580	446.7813	1338.6877					
				03/07/08	23:46:48	3590	412.5938	1378.2502	03/16/08	19:36:48	3590	300.7422	1258.1252	03/27/08	19:16:48	3590	446.7188	1343.7502					
				03/07/08	23:56:48	3600	414.0626	1378.6877	03/16/08	19:46:48	3600	305.1016	1235.1252	03/27/08	19:26:48	3600	447.1094	1346.6565					
				03/08/08	00:06:48	3610	410.0157	1380.3127	03/16/08	19:56:48	3610	286.6563	1239.9065	03/27/08	19:36:48	3610	446.1407	1339.5315					
				03/08/08	00:16:48	3620	408.3829	1386.9377	03/16/08	20:06:48	3620	290.7188	1248.5940	03/27/08	19:46:48	3620	442.0079	1338.5002					
				03/08/08	00:26:48	3630	408.8985	1383.3440	03/16/08	20:16:48	3630	308.7110	1243.4065	03/27/08	19:56:48	3630	448.3282	1340.7502					
				03/08/08	00:36:48	3640	413.5469	1375.0627	03/16/08	20:26:48	3640	303.9219	1250.4690	03/27/08	20:06:48	3640	444.6563	1337.0315					
				03/08/08	00:46:48	3650	410.6094	1362.8440	03/16/08	20:36:48	3650	308.1954	1248.0315	03/27/08	20:16:48	3650	443.6876	1335.5940					
				03/08/08	00:56:48	3660	408.2969	1385.8440	03/16/08	20:46:48	3660	308.0547	1247.3752	03/27/08	20:26:48	3660	447.6876	1344.6877					
				03/08/08	01:06:48	3670	411.9922	1375.0627	03/16/08	20:56:48	3670	310.9141	1258.5002	03/27/08	20:36:48	3670	445.1094	1348.3127					
				03/08/08	01:16:48	3680	410.9610	1379.2190	03/16/08	21:06:48	3680	293.7344	1252.6877	03/27/08	20:46:48	3680	446.5938	1347.7190					
				03/08/08	01:26:48	3690	413.0235	1380.2502	03/16/08	21:16:48	3690	297.3516	1249.0627	03/27/08	20:56:48	3690	446.7188	1343.7502					
				03/08/08	01:36:48	3700	414																

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM								
				Date/Time		Time				Date/Time		Time				Date/Time		Time											
				mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy							
03/08/08	05:26:48	3930	409.3282	1380.6877	03/17/08	01:16:48	3930	297.8672	1268.6877	03/28/08	00:56:48	3930	452.2735	1370.9377	03/08/08	05:36:48	3940	408.9766	1382.8752	03/17/08	01:26:48	3940	296.9844	1255.9065	03/28/08	01:06:48	3940	451.3047	1356.5627
03/08/08	05:46:48	3950	409.5001	1378.2502	03/17/08	01:36:48	3950	308.3360	1257.4690	03/28/08	01:16:48	3950	450.2735	1346.7502	03/08/08	05:56:48	3960	408.4610	1379.2815	03/17/08	01:46:48	3960	296.4688	1263.6565	03/28/08	01:26:48	3960	450.8438	1363.8752
03/08/08	06:06:48	3970	410.4454	1400.9065	03/17/08	01:56:48	3970	291.8204	1268.3127	03/28/08	01:36:48	3970	448.2657	1355.5940	03/08/08	06:16:48	3980	410.3594	1378.6252	03/17/08	02:06:48	3980	309.2266	1270.2502	03/28/08	01:46:48	3980	449.6954	1364.2190
03/08/08	06:26:48	3990	405.3672	1372.5627	03/17/08	02:16:48	3990	305.4766	1264.9377	03/28/08	01:56:48	3990	449.1719	1362.1565	03/08/08	06:36:48	4000	403.7344	1384.8752	03/17/08	02:26:48	4000	294.1797	1249.5002	03/28/08	02:06:48	4000	448.6563	1378.6877
03/08/08	06:46:48	4010	407.4297	1373.5940	03/17/08	02:36:48	4010	303.1719	1263.1565	03/28/08	02:16:48	4010	447.2344	1376.7502	03/08/08	06:56:48	4020	408.9766	1390.1252	03/17/08	02:46:48	4020	296.4688	1275.5315	03/28/08	02:26:48	4020	449.2344	1366.3752
03/08/08	07:06:48	4030	407.8594	1383.8440	03/17/08	02:56:48	4030	296.0938	1265.3440	03/28/08	02:36:48	4030	451.9376	1351.0627	03/08/08	07:16:48	4040	408.8985	1366.8127	03/17/08	03:06:48	4040	293.7344	1258.8752	03/28/08	02:46:48	4040	448.8438	1367.0315
03/08/08	07:26:48	4050	414.0626	1369.4065	03/17/08	03:16:48	4050	295.2110	1260.8127	03/28/08	02:56:48	4050	447.1719	1372.5627	03/08/08	07:36:48	4060	413.5469	1364.7502	03/17/08	03:26:48	4060	299.1954	1273.0627	03/28/08	03:06:48	4060	451.1797	1383.7815
03/08/08	07:46:48	4070	410.9610	1362.1565	03/17/08	03:36:48	4070	297.8672	1268.6877	03/28/08	03:16:48	4070	447.1719	1372.5627	03/08/08	07:56:48	4080	414.4922	1368.8127	03/17/08	03:46:48	4080	290.7891	1266.7502	03/28/08	03:26:48	4080	444.0782	1367.9065
03/08/08	08:06:48	4090	404.6797	1375.5315	03/17/08	03:56:48	4090	294.5469	1263.7815	03/28/08	03:36:48	4090	449.7501	1368.4377	03/08/08	08:16:48	4100	414.0626	1370.4377	03/17/08	04:06:48	4100	300.0782	1269.3440	03/28/08	03:46:48	4100	448.7813	1355.5940
03/08/08	08:26:48	4110	411.9922	1353.3752	03/17/08	04:16:48	4110	291.3047	1252.3127	03/28/08	03:56:48	4110	445.5626	1364.7502	03/08/08	08:36:48	4120	414.0626	1362.6877	03/17/08	04:26:48	4120	294.9922	1278.2502	03/28/08	04:06:48	4120	450.7891	1370.5002
03/08/08	08:46:48	4130	412.5079	1366.2815	03/17/08	04:36:48	4130	289.2422	1250.2502	03/28/08	04:16:48	4130	451.2422	1364.7502	03/08/08	08:56:48	4140	416.7188	1353.4690	03/17/08	04:46:48	4140	294.9141	1262.6252	03/28/08	04:26:48	4140	450.7891	1365.3440
03/08/08	09:06:48	4150	418.2735	1357.5940	03/17/08	04:56:48	4150	297.5001	1268.3127	03/28/08	04:36:48	4150	449.2344	1373.0627	03/08/08	09:16:48	4160	414.1407	1363.7815	03/17/08	05:06:48	4160	294.0313	1276.6877	03/28/08	04:46:48	4160	453.8829	1367.9065
03/08/08	09:26:48	4170	408.9766	1351.4065	03/17/08	05:16:48	4170	297.8672	1271.2815	03/28/08	04:56:48	4170	453.8829	1380.3127	03/08/08	09:36:48	4180	412.5938	1346.7502	03/17/08	05:26:48	4180	305.2422	1269.8440	03/28/08	05:06:48	4180	451.3047	1366.3752
03/08/08	09:46:48	4190	411.5626	1350.8752	03/17/08	05:36:48	4190	297.5001	1272.9377	03/28/08	05:16:48	4190	451.4844	1366.5940	03/08/08	09:56:48	4200	411.4766	1350.8127	03/17/08	05:46:48	4200	305.1016	1268.6877	03/28/08	05:26:48	4200	453.8829	1374.1252
03/08/08	10:06:48	4210	410.5313	1344.1877	03/17/08	05:56:48	4210	301.8594	1267.5315	03/28/08	05:36:48	4210	452.3360	1376.1877	03/08/08	10:16:48	4220	413.7032	1342.1877	03/17/08	06:06:48	4220	307.1641	1264.0627	03/28/08	05:46:48	4220	452.3907	1381.4065
03/08/08	10:26:48	4230	410.5313	1347.7815	03/17/08	06:16:48	4230	299.0469	1276.0627	03/28/08	05:56:48	4230	452.7891	1365.2502	03/08/08	10:36:48	4240	406.9141	1350.3752	03/17/08	06:26:48	4240	299.2735	1269.5940	03/28/08	06:06:48	4240	451.8204	1360.1877
03/08/08	10:46:48	4250																											

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/08/08	13:36:48	4420	404.3360	1329.2190	03/17/08	09:26:48	4420	307.6797	1247.0002	03/28/08	09:06:48	4420	508.6172	1329.3127				
03/08/08	13:46:48	4430	411.0469	1339.5315	03/17/08	09:36:48	4430	313.3594	1244.9377	03/28/08	09:16:48	4430	515.3282	1310.7190				
03/08/08	13:56:48	4440	406.8282	1345.1252	03/17/08	09:46:48	4440	314.6641	1254.5002	03/28/08	09:26:48	4440	512.2032	1313.7190				
03/08/08	14:06:48	4450	411.5626	1340.5627	03/17/08	09:56:48	4450	303.5469	1260.9377	03/28/08	09:36:48	4450	507.0704	1302.4690				
03/08/08	14:16:48	4460	408.8985	1341.0002	03/17/08	10:06:48	4460	312.0860	1249.8752	03/28/08	09:46:48	4460	510.6563	1302.3752				
03/08/08	14:26:48	4470	405.8829	1345.7190	03/17/08	10:16:48	4470	310.1251	1246.8752	03/28/08	09:56:48	4470	504.4922	1307.6252				
03/08/08	14:36:48	4480	402.6954	1338.9377	03/17/08	10:26:48	4480	318.0079	1249.0627	03/28/08	10:06:48	4480	507.0391	1314.2502				
03/08/08	14:46:48	4490	408.6329	1339.1877	03/17/08	10:36:48	4490	313.5001	1259.5315	03/28/08	10:16:48	4490	503.4297	1301.3440				
03/08/08	14:56:48	4500	405.2813	1338.4065	03/17/08	10:46:48	4500	319.5547	1247.5315	03/28/08	10:26:48	4500	507.0704	1307.6252				
03/08/08	15:06:48	4510	406.3985	1343.6565	03/17/08	10:56:48	4510	315.6954	1244.7190	03/28/08	10:36:48	4510	498.2657	1307.5315				
03/08/08	15:16:48	4520	408.0313	1344.2502	03/17/08	11:06:48	4520	308.8516	1250.7502	03/28/08	10:46:48	4520	501.3985	1305.5627				
03/08/08	15:26:48	4530	405.9688	1342.7190	03/17/08	11:16:48	4530	318.6563	1249.2190	03/28/08	10:56:48	4530	501.9141	1294.7502				
03/08/08	15:36:48	4540	409.5782	1342.7190	03/17/08	11:26:48	4540	316.0782	1253.3440	03/28/08	11:06:48	4540	507.0704	1301.4377				
03/08/08	15:46:48	4550	406.3126	1355.4377	03/17/08	11:36:48	4550	317.8985	1244.3440	03/28/08	11:16:48	4550	504.4297	1306.9065				
03/08/08	15:56:48	4560	408.8985	1345.6252	03/17/08	11:46:48	4560	316.5938	1248.6877	03/28/08	11:26:48	4560	503.4610	1303.5002				
03/08/08	16:06:48	4570	409.9297	1362.1565	03/17/08	11:56:48	4570	315.1797	1243.1565	03/28/08	11:36:48	4570	500.8516	1301.8440				
03/08/08	16:16:48	4580	409.4141	1344.5940	03/17/08	12:06:48	4580	315.9454	1237.1877	03/28/08	11:46:48	4580	498.8516	1309.2815				
03/08/08	16:26:48	4590	408.6329	1346.4065	03/17/08	12:16:48	4590	314.1485	1237.4690	03/28/08	11:56:48	4590	500.9141	1292.7815				
03/08/08	16:36:48	4600	408.3829	1352.3440	03/17/08	12:26:48	4600	316.5938	1235.2815	03/28/08	12:06:48	4600	500.2969	1302.2502				
03/08/08	16:46:48	4610	405.4532	1355.0940	03/17/08	12:36:48	4610	312.9844	1246.1252	03/28/08	12:16:48	4610	498.2657	1297.7190				
03/08/08	16:56:48	4620	407.4297	1351.4065	03/17/08	12:46:48	4620	317.6251	1243.5315	03/28/08	12:26:48	4620	497.2032	1299.6877				
03/08/08	17:06:48	4630	405.9688	1364.9065	03/17/08	12:56:48	4630	314.8047	1240.7190	03/28/08	12:36:48	4630	502.8829	1314.6565				
03/08/08	17:16:48	4640	406.3985	1350.3752	03/17/08	13:06:48	4640	315.5626	1235.7815	03/28/08	12:46:48	4640	495.2110	1304.5315				
03/08/08	17:26:48	4650	411.5626	1350.8752	03/17/08	13:16:48	4650	316.5938	1234.2502	03/28/08	12:56:48	4650	500.8829	1282.8752				
03/08/08	17:36:48	4660	407.0001	1359.7502	03/17/08	13:26:48	4660	309.3672	1248.1877	03/28/08	13:06:48	4660	496.2735	1288.1565				
03/08/08	17:46:48	4670	408.9766	1348.3127	03/17/08	13:36:48	4670	314.3907	1242.8752	03/28/08	13:16:48	4670	502.3985	1290.5002				
03/08/08	17:56:48	4680	402.7891	1372.0315	03/17/08	13:46:48	4680	312.4688	1232.1877	03/28/08	13:26:48	4680	497.7501	1292.5627				
03/08/08	18:06:48	4690	404.7657	1358.5627	03/17/08	13:56:48	4690	314.1485	1241.0940	03/28/08	13:36:48	4690	496.1641	1295.0315				
03/08/08	18:16:48	4700	407.8594	1354.4065	03/17/08	14:06:48	4700	316.8438	1246.8752	03/28/08	13:46:48	4700	500.8516	1292.0627				
03/08/08	18:26:48	4710	414.2266	1360.2502	03/17/08	14:16:48	4710	316.7266	1239.0315	03/28/08	13:56:48	4710	501.3672	1308.5627				
03/08/08	18:36:48	4720	408.6329	1356.2190	03/17/08	14:26:48	4720	313.7735	1228.8752	03/28/08	14:06:48	4720	497.7501	1297.7190				
03/08/08	18:46:48	4730	406.8282	1366.8127	03/17/08	14:36:48	4730											

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM		
				Date/Time		Time				Date/Time		Time				Date/Time		Time					
				mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	
				03/08/08	21:46:48	4910	418.1094	1379.1252	03/17/08	17:36:48	4910	306.6485	1228.4065	03/28/08	17:16:48	4910	506.0391	1290.6252					
				03/08/08	21:56:48	4920	417.6719	1382.8127	03/17/08	17:46:48	4920	304.4922	1237.1252	03/28/08	17:26:48	4920	500.8829	1307.1252					
				03/08/08	22:06:48	4930	410.4454	1380.2502	03/17/08	17:56:48	4930	307.6797	1243.9065	03/28/08	17:36:48	4930	508.5938	1297.7190					
				03/08/08	22:16:48	4940	415.6094	1378.6877	03/17/08	18:06:48	4940	307.6797	1260.4377	03/28/08	17:46:48	4940	504.9766	1312.6877					
				03/08/08	22:26:48	4950	415.0938	1383.8440	03/17/08	18:16:48	4950	308.3360	1234.2502	03/28/08	17:56:48	4950	508.0469	1306.4065					
				03/08/08	22:36:48	4960	421.2891	1388.5002	03/17/08	18:26:48	4960	306.4141	1258.6252	03/28/08	18:06:48	4960	510.1641	1298.8752					
				03/08/08	22:46:48	4970	419.7422	1369.9065	03/17/08	18:36:48	4970	305.6172	1245.4690	03/28/08	18:16:48	4970	513.2345	1308.0315					
				03/08/08	22:56:48	4980	418.7891	1355.5315	03/17/08	18:46:48	4980	303.0313	1242.3440	03/28/08	18:26:48	4980	502.3672	1294.5002					
				03/08/08	23:06:48	4990	420.8516	1370.5002	03/17/08	18:56:48	4990	305.6172	1243.9065	03/28/08	18:36:48	4990	504.4610	1311.6565					
				03/08/08	23:16:48	5000	417.7579	1376.1877	03/17/08	19:06:48	5000	306.7891	1236.8127	03/28/08	18:46:48	5000	510.6876	1311.2502					
				03/08/08	23:26:48	5010	420.1797	1375.5315	03/17/08	19:16:48	5010	306.7891	1240.9377	03/28/08	18:56:48	5010	504.0079	1311.8752					
				03/08/08	23:36:48	5020	424.9063	1381.7815	03/17/08	19:26:48	5020	303.0313	1236.6877	03/28/08	19:06:48	5020	506.0079	1308.5627					
				03/08/08	23:46:48	5030	418.2735	1374.1252	03/17/08	19:36:48	5030	303.8360	1238.0002	03/28/08	19:16:48	5030	510.6563	1312.1877					
				03/08/08	23:56:48	5040	420.1797	1380.1565	03/17/08	19:46:48	5040	302.6563	1261.5940	03/28/08	19:26:48	5040	508.5626	1321.8752					
				03/09/08	00:06:48	5050	419.6641	1373.9690	03/17/08	19:56:48	5050	305.0079	1245.8752	03/28/08	19:36:48	5050	510.6876	1313.3127					
				03/09/08	00:16:48	5060	418.7110	1382.8127	03/17/08	20:06:48	5060	304.7266	1259.5315	03/28/08	19:46:48	5060	513.2345	1317.3440					
				03/09/08	00:26:48	5070	422.8360	1373.5315	03/17/08	20:16:48	5070	306.1329	1234.0940	03/28/08	19:56:48	5070	507.0391	1315.2815					
				03/09/08	00:36:48	5080	420.3360	1370.5002	03/17/08	20:26:48	5080	306.1329	1259.9065	03/28/08	20:06:48	5080	508.0782	1316.3127					
				03/09/08	00:46:48	5090	419.3047	1378.2502	03/17/08	20:36:48	5090	306.9297	1232.3127	03/28/08	20:16:48	5090	509.1094	1320.9377					
				03/09/08	00:56:48	5100	421.2110	1380.6877	03/17/08	20:46:48	5100	306.7891	1246.1252	03/28/08	20:26:48	5100	504.9766	1316.8127					
				03/09/08	01:06:48	5110	420.2579	1389.0315	03/17/08	20:56:48	5110	303.1719	1240.4377	03/28/08	20:36:48	5110	512.6876	1322.4065					
				03/09/08	01:16:48	5120	420.4141	1381.9065	03/17/08	21:06:48	5120	305.2422	1258.5002	03/28/08	20:46:48	5120	511.6563	1316.2190					
				03/09/08	01:26:48	5130	417.2344	1383.9065	03/17/08	21:16:48	5130	309.7501	1239.2502	03/28/08	20:56:48	5130	510.1407	1319.4065					
				03/09/08	01:36:48	5140	419.3829	1378.3127	03/17/08	21:26:48	5140	305.6172	1251.6565	03/28/08	21:06:48	5140	511.7422	1319.0940					
				03/09/08	01:46:48	5150	420.8516	1389.0627	03/17/08	21:36:48	5150	305.2422	1237.3440	03/28/08	21:16:48	5150	513.2345	1316.3127					
				03/09/08	01:56:48	5160	419.2266	1393.1565	03/17/08	21:46:48	5160	307.4454	1240.5627	03/28/08	21:26:48	5160	513.7189	1322.4065					
				03/09/08	02:06:48	5170	420.4141	1381.4065	03/17/08	21:56:48	5170	308.7110	1249.0627	03/28/08	21:36:48	5170							

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				
03/09/08	05:56:48	5400	413.6251	1381.3440	03/18/08	01:46:48	5400	305.0079	1242.2815	03/29/08	01:26:48	5400	506.4922	1327.5627					
03/09/08	06:06:48	5410	410.5313	1383.9065	03/18/08	01:56:48	5410	309.6094	1243.2502	03/29/08	01:36:48	5410	510.1407	1327.1565					
03/09/08	06:16:48	5420	410.5313	1389.0627	03/18/08	02:06:48	5420	309.5079	1266.8752	03/29/08	01:46:48	5420	512.6876	1319.8127					
03/09/08	06:26:48	5430	415.6876	1391.1565	03/18/08	02:16:48	5430	307.0235	1270.6252	03/29/08	01:56:48	5430	510.1094	1312.0627					
03/09/08	06:36:48	5440	413.5469	1388.5002	03/18/08	02:26:48	5440	289.7579	1252.8127	03/29/08	02:06:48	5440	508.5626	1335.3127					
03/09/08	06:46:48	5450	416.2032	1396.8127	03/18/08	02:36:48	5450	297.8672	1258.3752	03/29/08	02:16:48	5450	512.1720	1328.5940					
03/09/08	06:56:48	5460	418.7110	1382.3127	03/18/08	02:46:48	5460	300.0782	1234.2502	03/29/08	02:26:48	5460	505.9766	1330.1565					
03/09/08	07:06:48	5470	417.0782	1390.0002	03/18/08	02:56:48	5470	296.8360	1269.2190	03/29/08	02:36:48	5470	516.8439	1333.3440					
03/09/08	07:16:48	5480	417.5938	1394.1252	03/18/08	03:06:48	5480	290.7891	1238.3752	03/29/08	02:46:48	5480	503.8829	1337.2815					
03/09/08	07:26:48	5490	418.7110	1392.1252	03/18/08	03:16:48	5490	311.0547	1261.2190	03/29/08	02:56:48	5490	510.6251	1330.6565					
03/09/08	07:36:48	5500	418.7891	1377.2190	03/18/08	03:26:48	5500	305.2422	1247.6565	03/29/08	03:06:48	5500	511.6876	1338.5002					
03/09/08	07:46:48	5510	421.2891	1375.0627	03/18/08	03:36:48	5510	295.9532	1241.4690	03/29/08	03:16:48	5510	515.2657	1336.8752					
03/09/08	07:56:48	5520	421.8047	1381.2815	03/18/08	03:46:48	5520	293.0001	1255.5315	03/29/08	03:26:48	5520	517.3907	1334.9690					
03/09/08	08:06:48	5530	420.8516	1385.4690	03/18/08	03:56:48	5530	294.0313	1273.5940	03/29/08	03:36:48	5530	511.1407	1341.5002					
03/09/08	08:16:48	5540	417.6719	1389.5315	03/18/08	04:06:48	5540	299.1954	1265.8440	03/29/08	03:46:48	5540	511.1719	1337.4690					
03/09/08	08:26:48	5550	420.7735	1369.4065	03/18/08	04:16:48	5550	301.7735	1268.4377	03/29/08	03:56:48	5550	515.8126	1338.5002					
03/09/08	08:36:48	5560	422.7579	1369.8440	03/18/08	04:26:48	5560	295.2891	1243.9065	03/29/08	04:06:48	5560	514.7814	1336.9377					
03/09/08	08:46:48	5570	419.7422	1384.3752	03/18/08	04:36:48	5570	299.7110	1272.0315	03/29/08	04:16:48	5570	514.8126	1334.4690					
03/09/08	08:56:48	5580	418.3516	1387.0627	03/18/08	04:46:48	5580	302.5157	1267.6565	03/29/08	04:26:48	5580	514.7501	1334.2815					
03/09/08	09:06:48	5590	421.8829	1378.2502	03/18/08	04:56:48	5590	299.9376	1260.4377	03/29/08	04:36:48	5590	512.1720	1343.0627					
03/09/08	09:16:48	5600	420.6954	1359.0002	03/18/08	05:06:48	5600	298.3829	1273.8440	03/29/08	04:46:48	5600	515.7814	1339.4377					
03/09/08	09:26:48	5610	421.7266	1378.0940	03/18/08	05:16:48	5610	307.1641	1244.4377	03/29/08	04:56:48	5610	517.3595	1332.8127					
03/09/08	09:36:48	5620	421.8047	1380.7502	03/18/08	05:26:48	5620	306.4141	1279.7815	03/29/08	05:06:48	5620	515.2657	1346.1565					
03/09/08	09:46:48	5630	421.3672	1367.4065	03/18/08	05:36:48	5630	304.2110	1270.3752	03/29/08	05:16:48	5630	519.4220	1335.4065					
03/09/08	09:56:48	5640	422.4766	1377.2815	03/18/08	05:46:48	5640	293.8829	1253.8440	03/29/08	05:26:48	5640	517.3439	1336.3440					
03/09/08	10:06:48	5650	417.5938	1375.0002	03/18/08	05:56:48	5650	298.5313	1246.6252	03/29/08	05:36:48	5650	516.2970	1336.3440					
03/09/08	10:16:48	5660	420.8516	1373.0627	03/18/08	06:06:48	5660	304.2110	1248.1877	03/29/08	05:46:48	5660	518.3907	1342.1252					
03/09/08	10:26:48	5670	422.8360	1379.7190	03/18/08	06:16:48	5670	291.0860	1252.5627	03/29/08	05:56:48	5670	519.9220	1338.4065					
03/09/08	10:36:48	5680	420.7735	1366.8127	03/18/08	06:26:48	5680	304.0626	1252.1565	03/29/08	06:06:48	5680	518.9064	1343.1565					
03/09/08	10:46:48	5690	419.3047	1364.3127	03/18/08	06:36:48	5690	288.5704	1272.8127	03/29/08	06:16:48	5690	519.8907	1338.8440					
03/09/08	10:56:48	5700	422.8360	1371.9690	03/18/08	06:46:48	5700	302.6563	1249.2190	03/29/08	06:26:48	5700	517.8751	1331.7					

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/09/08	14:06:48	5890	421.8829	1358.6252	03/18/08	09:56:48	5890	306.4141	1242.6565	03/29/08	09:36:48	5890	504.9454	1311.0315				
03/09/08	14:16:48	5900	422.4766	1355.5940	03/18/08	10:06:48	5900	312.4688	1241.4690	03/29/08	09:46:48	5900	512.2345	1310.7190				
03/09/08	14:26:48	5910	420.4141	1362.3127	03/18/08	10:16:48	5910	312.4688	1241.9690	03/29/08	09:56:48	5910	509.6485	1293.7190				
03/09/08	14:36:48	5920	421.2891	1348.2190	03/18/08	10:26:48	5920	311.4376	1239.4065	03/29/08	10:06:48	5920	506.0079	1309.5940				
03/09/08	14:46:48	5930	416.6407	1359.5940	03/18/08	10:36:48	5930	308.3360	1246.1252	03/29/08	10:16:48	5930	506.5235	1297.7190				
03/09/08	14:56:48	5940	418.7891	1357.0627	03/18/08	10:46:48	5940	302.6563	1235.2815	03/29/08	10:26:48	5940	498.2657	1310.1252				
03/09/08	15:06:48	5950	421.4454	1365.4065	03/18/08	10:56:48	5950	312.3282	1242.3440	03/29/08	10:36:48	5950	504.9766	1312.6877				
03/09/08	15:16:48	5960	421.8829	1362.2502	03/18/08	11:06:48	5960	307.1641	1234.6252	03/29/08	10:46:48	5960	501.4297	1309.2815				
03/09/08	15:26:48	5970	420.7735	1359.5940	03/18/08	11:16:48	5970	296.3204	1247.0002	03/29/08	10:56:48	5970	503.4610	1295.7815				
03/09/08	15:36:48	5980	419.8985	1358.7190	03/18/08	11:26:48	5980	308.9922	1237.4690	03/29/08	11:06:48	5980	503.9454	1307.5315				
03/09/08	15:46:48	5990	421.8047	1364.7502	03/18/08	11:36:48	5990	311.5704	1234.9065	03/29/08	11:16:48	5990	501.8516	1307.4377				
03/09/08	15:56:48	6000	418.8672	1354.5627	03/18/08	11:46:48	6000	310.3985	1234.2502	03/29/08	11:26:48	6000	502.4297	1303.5002				
03/09/08	16:06:48	6010	419.3047	1372.5627	03/18/08	11:56:48	6010	307.1641	1233.0627	03/29/08	11:36:48	6010	497.7891	1307.1252				
03/09/08	16:16:48	6020	420.9297	1368.5002	03/18/08	12:06:48	6020	291.6719	1233.0627	03/29/08	11:46:48	6020	506.0079	1303.9065				
03/09/08	16:26:48	6030	427.5626	1372.5627	03/18/08	12:16:48	6030	302.8047	1234.3752	03/29/08	11:56:48	6030	497.7501	1301.3440				
03/09/08	16:36:48	6040	428.0782	1354.5002	03/18/08	12:26:48	6040	306.9297	1237.4690	03/29/08	12:06:48	6040	499.8516	1311.7502				
03/09/08	16:46:48	6050	427.5626	1373.0627	03/18/08	12:36:48	6050	308.8516	1244.5627	03/29/08	12:16:48	6050	496.7891	1298.4690				
03/09/08	16:56:48	6060	421.8047	1365.7815	03/18/08	12:46:48	6060	301.6251	1225.9690	03/29/08	12:26:48	6060	496.2032	1292.0627				
03/09/08	17:06:48	6070	423.5079	1357.1565	03/18/08	12:56:48	6070	306.1329	1241.3127	03/29/08	12:36:48	6070	506.0079	1289.9690				
03/09/08	17:16:48	6080	420.3360	1375.6565	03/18/08	13:06:48	6080	305.7579	1233.2190	03/29/08	12:46:48	6080	498.8204	1274.0940				
03/09/08	17:26:48	6090	423.5079	1364.9065	03/18/08	13:16:48	6090	296.3204	1237.7190	03/29/08	12:56:48	6090	498.7813	1287.4065				
03/09/08	17:36:48	6100	419.2266	1377.6565	03/18/08	13:26:48	6100	304.5860	1230.4690	03/29/08	13:06:48	6100	500.8126	1297.6252				
03/09/08	17:46:48	6110	419.3047	1367.9065	03/18/08	13:36:48	6110	304.7266	1222.8752	03/29/08	13:16:48	6110	493.1485	1301.4377				
03/09/08	17:56:48	6120	422.3204	1360.6252	03/18/08	13:46:48	6120	302.2266	1234.3127	03/29/08	13:26:48	6120	501.3985	1306.5940				
03/09/08	18:06:48	6130	419.8204	1375.6565	03/18/08	13:56:48	6130	305.4766	1233.4377	03/29/08	13:36:48	6130	499.2969	1299.2815				
03/09/08	18:16:48	6140	419.3047	1367.9065	03/18/08	14:06:48	6140	301.1094	1221.3440	03/29/08	13:46:48	6140	497.2344	1293.0940				
03/09/08	18:26:48	6150	422.4766	1357.6877	03/18/08	14:16:48	6150	305.8985	1220.4690	03/29/08	13:56:48	6150	499.8516	1298.8752				
03/09/08	18:36:48	6160	422.9141	1358.1252	03/18/08	14:26:48	6160	302.6563	1222.3752	03/29/08	14:06:48	6160	498.2657	1302.8752				
03/09/08	18:46:48	6170	426.0157	1372.5627	03/18/08	14:36:48	6170	302.8047	1212.2190	03/29/08	14:16:48	6170	497.2032	1296.5940				
03/09/08	18:56:48	6180	421.2891	1374.5627	03/18/08	14:46:48	6180	299.0469	1233.7190	03/29/08	14:26:48	6180	499.2969	1297.2190				
03/09/08	19:06:48	6190	425.4922	1368.9377	03/18/08	14:56:48	6190	299.7110	1222.0002	03/29/08	14:36:48	6190	501.4297	1293.3127				
03/09/08	19:16:48	6200	424.5391	1373.1565	03/18/08	15:06:48	6200											

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM		
				Date/Time		Time				Date/Time		Time				Date/Time		Time					
				mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss	mm/dd/yy	
				03/09/08	22:16:48	6380	425.4219	1387.4690	03/18/08	18:06:48	6380	297.8672	1233.0627	03/29/08	17:46:48	6380	505.4922	1314.2502					
				03/09/08	22:26:48	6390	427.1172	1369.0315	03/18/08	18:16:48	6390	299.0469	1231.6565	03/29/08	17:56:48	6390	510.1407	1314.2502					
				03/09/08	22:36:48	6400	425.4219	1391.0940	03/18/08	18:26:48	6400	299.8516	1242.2815	03/29/08	18:06:48	6400	503.9454	1312.6877					
				03/09/08	22:46:48	6410	428.5157	1375.0627	03/18/08	18:36:48	6410	295.9532	1226.5002	03/29/08	18:16:48	6410	510.1407	1317.3440					
				03/09/08	22:56:48	6420	426.9688	1399.8752	03/18/08	18:46:48	6420	298.5313	1240.9377	03/29/08	18:26:48	6420	508.5938	1313.7190					
				03/09/08	23:06:48	6430	427.6329	1395.3127	03/18/08	18:56:48	6430	294.9141	1237.3440	03/29/08	18:36:48	6430	510.1641	1316.9065					
				03/09/08	23:16:48	6440	424.9063	1389.5315	03/18/08	19:06:48	6440	294.5469	1242.1252	03/29/08	18:46:48	6440	513.2657	1322.0940					
				03/09/08	23:26:48	6450	426.4532	1398.8440	03/18/08	19:16:48	6450	295.9532	1235.7815	03/29/08	18:56:48	6450	504.9766	1318.8752					
				03/09/08	23:36:48	6460	431.1719	1403.0002	03/18/08	19:26:48	6460	299.7110	1226.6565	03/29/08	19:06:48	6460	506.5547	1314.3440					
				03/09/08	23:46:48	6470	426.5313	1382.3752	03/18/08	19:36:48	6470	298.8985	1235.1252	03/29/08	19:16:48	6470	508.0469	1316.7190					
				03/09/08	23:56:48	6480	430.0704	1376.6252	03/18/08	19:46:48	6480	299.5626	1246.6252	03/29/08	19:26:48	6480	507.5860	1319.5002					
				03/10/08	00:06:48	6490	430.6563	1405.0627	03/18/08	19:56:48	6490	292.6329	1242.7815	03/29/08	19:36:48	6490	508.1016	1320.0315					
				03/10/08	00:16:48	6500	427.0469	1392.6877	03/18/08	20:06:48	6500	292.3360	1236.8127	03/29/08	19:46:48	6500	514.7501	1331.1877					
				03/10/08	00:26:48	6510	430.0704	1376.0940	03/18/08	20:16:48	6510	291.9688	1235.4065	03/29/08	19:56:48	6510	509.0782	1318.7815					
				03/10/08	00:36:48	6520	424.3907	1382.8127	03/18/08	20:26:48	6520	300.4532	1244.9377	03/29/08	20:06:48	6520	514.2657	1319.4065					
				03/10/08	00:46:48	6530	421.8047	1383.8440	03/18/08	20:36:48	6530	302.1407	1249.2190	03/29/08	20:16:48	6530	516.8439	1319.4065					
				03/10/08	00:56:48	6540	424.9063	1391.0940	03/18/08	20:46:48	6540	298.0157	1234.7502	03/29/08	20:26:48	6540	508.0782	1323.0002					
				03/10/08	01:06:48	6550	422.8360	1388.5002	03/18/08	20:56:48	6550	303.1719	1233.7190	03/29/08	20:36:48	6550	508.0469	1325.5002					
				03/10/08	01:16:48	6560	423.4297	1390.1252	03/18/08	21:06:48	6560	298.1563	1226.6565	03/29/08	20:46:48	6560	513.2345	1316.8127					
				03/10/08	01:26:48	6570	423.4297	1383.4065	03/18/08	21:16:48	6570	292.8516	1248.6877	03/29/08	20:56:48	6570	512.2032	1321.4690					
				03/10/08	01:36:48	6580	426.4532	1390.0627	03/18/08	21:26:48	6580	288.3594	1238.5002	03/29/08	21:06:48	6580	511.1407	1316.7190					
				03/10/08	01:46:48	6590	422.3204	1400.9065	03/18/08	21:36:48	6590	294.5469	1234.9065	03/29/08	21:16:48	6590	514.2345	1323.4377					
				03/10/08	01:56:48	6600	421.2891	1394.1877	03/18/08	21:46:48	6600	302.9454	1240.7190	03/29/08	21:26:48	6600	506.5547	1313.3127					
				03/10/08	02:06:48	6610	422.9141	1382.3752	03/18/08	21:56:48	6610	299.7110	1240.5627	03/29/08	21:36:48	6610	509.1094	1326.6252					
				03/10/08	02:16:48	6620	422.0391	1401.0627	03/18/08	22:06:48	6620	291.8204	1236.8127	03/29/08	21:46:48	6620	513.7501	1323.5315					
				03/10/08	02:26:48	6630	422.3985	1382.8752	03/18/08	22:16:48	6630	294.2579	1241.8440	03/29/08	21:56:48	6630	510.1954	1323.2190					
				03/10/08	02:36:48	6640	417.7579	1381.3440	03/18/08	22:26:48	6640	299.4219	1232.5315	03/29/08	22:06:48	6640							

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/10/08	06:26:48	6870	421.2891	1401.4065	03/19/08	02:16:48	6870	307.3047	1231.1565	03/30/08	01:56:48	6870	512.6876	1336.3440				
03/10/08	06:36:48	6880	421.8829	1398.8752	03/19/08	02:26:48	6880	304.7266	1248.1877	03/30/08	02:06:48	6880	510.6251	1344.0940				
03/10/08	06:46:48	6890	422.8360	1397.2815	03/19/08	02:36:48	6890	300.7422	1240.5627	03/30/08	02:16:48	6890	514.7501	1337.3752				
03/10/08	06:56:48	6900	419.8985	1397.4065	03/19/08	02:46:48	6900	305.2422	1238.8752	03/30/08	02:26:48	6900	519.9220	1347.1877				
03/10/08	07:06:48	6910	423.9454	1392.6877	03/19/08	02:56:48	6910	299.5626	1245.5940	03/30/08	02:36:48	6910	517.8282	1346.0627				
03/10/08	07:16:48	6920	423.8751	1400.3752	03/19/08	03:06:48	6920	306.4141	1236.4377	03/30/08	02:46:48	6920	515.2657	1344.0940				
03/10/08	07:26:48	6930	427.1172	1395.8440	03/19/08	03:16:48	6930	303.6954	1261.0940	03/30/08	02:56:48	6930	515.2970	1344.6877				
03/10/08	07:36:48	6940	421.8047	1396.2502	03/19/08	03:26:48	6940	301.9141	1254.1252	03/30/08	03:06:48	6940	514.2345	1343.0627				
03/10/08	07:46:48	6950	428.0001	1395.7190	03/19/08	03:36:48	6950	299.1954	1247.2815	03/30/08	03:16:48	6950	517.3439	1346.1565				
03/10/08	07:56:48	6960	429.1094	1386.5002	03/19/08	03:46:48	6960	300.9688	1246.5002	03/30/08	03:26:48	6960	513.7814	1337.5627				
03/10/08	08:06:48	6970	408.2969	1400.8440	03/19/08	03:56:48	6970	305.7579	1240.4377	03/30/08	03:36:48	6970	515.7814	1340.4690				
03/10/08	08:26:48	6980	405.7969	1393.1565	03/19/08	04:06:48	6980	296.3204	1250.6252	03/30/08	03:46:48	6980	518.3751	1346.1565				
03/10/08	08:36:48	6990	398.6563	1397.8440	03/19/08	04:16:48	6990	307.3047	1247.1565	03/30/08	03:56:48	6990	517.8751	1339.0002				
03/10/08	08:46:48	7000	400.1172	1396.2502	03/19/08	04:26:48	7000	306.2735	1231.6565	03/30/08	04:06:48	7000	520.4532	1340.0315				
03/10/08	08:56:48	7010	396.5938	1408.6877	03/19/08	04:36:48	7010	299.4219	1259.9065	03/30/08	04:16:48	7010	517.9220	1334.0315				
03/10/08	09:06:48	7020	400.2032	1383.4065	03/19/08	04:46:48	7020	304.7266	1252.3127	03/30/08	04:26:48	7020	518.3751	1344.5940				
03/10/08	09:16:48	7030	401.1485	1384.8752	03/19/08	04:56:48	7030	308.8516	1262.1252	03/30/08	04:36:48	7030	521.9689	1347.6252				
03/10/08	09:26:48	7040	396.0782	1386.5002	03/19/08	05:06:48	7040	304.0626	1258.3752	03/30/08	04:46:48	7040	519.4220	1340.0315				
03/10/08	09:36:48	7050	399.0860	1380.7502	03/19/08	05:16:48	7050	302.6563	1256.4377	03/30/08	04:56:48	7050	514.2970	1344.2502				
03/10/08	09:46:48	7060	391.4297	1385.4690	03/19/08	05:26:48	7060	301.1094	1247.6565	03/30/08	05:06:48	7060	520.4532	1343.1565				
03/10/08	09:56:48	7070	398.8360	1377.3440	03/19/08	05:36:48	7070	305.4766	1241.1877	03/30/08	05:16:48	7070	518.8907	1337.3752				
03/10/08	10:06:48	7080	394.6172	1373.6565	03/19/08	05:46:48	7080	304.2110	1246.6252	03/30/08	05:26:48	7080	520.9689	1340.0315				
03/10/08	10:16:48	7090	397.2032	1382.9377	03/19/08	05:56:48	7090	297.5001	1241.4690	03/30/08	05:36:48	7090	517.9064	1348.9065				
03/10/08	10:26:48	7100	391.9454	1383.9065	03/19/08	06:06:48	7100	299.0469	1252.3127	03/30/08	05:46:48	7100	519.9376	1346.2502				
03/10/08	10:36:48	7110	394.0157	1385.4690	03/19/08	06:16:48	7110	289.3907	1247.8127	03/30/08	05:56:48	7110	518.8907	1346.6565				
03/10/08	10:46:48	7120	395.5626	1393.7190	03/19/08	06:26:48	7120	288.2110	1242.5002	03/30/08	06:06:48	7120	521.4845	1339.5315				
03/10/08	10:56:48	7130	394.9532	1379.2190	03/19/08	06:36:48	7130	305.7579	1236.3127	03/30/08	06:16:48	7130	519.9220	1345.6252				
03/10/08	11:06:48	7140	394.1016	1372.1252	03/19/08	06:46:48	7140	304.0626	1243.9065	03/30/08	06:26:48	7140	515.2970	1345.2190				
03/10/08	11:16:48	7150	392.4610	1379.2815	03/19/08	06:56:48	7150	298.5313	1246.6252	03/30/08	06:36:48	7150	519.4220	1340.0315				
03/10/08	11:26:48	7160	394.4376	1366.2815	03/19/08	07:16:48	7160	481.1954	1322.4065	03/30/08	06:46:48	7160	517.3907	1338.5940				
03/10/08	11:36:48	7170	389.2735	1369.4065	03/19/08	07:26:48	7170	444.5313	1315.1565	03/30/08	06:56:48	7170	514.7501	1335.3127				
03/10/08	11:46:48	7180	387.9141	1365.9377	03/19/08	07:36:48	7180											

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time			Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM								
				Time		Flow				Time		Flow				Time		Flow											
				hh:mm:ss	mm/dd/yy	hh:mm:ss				mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss			mm/dd/yy	hh:mm:ss	mm/dd/yy	hh:mm:ss										
03/10/08	14:46:48	7360	395.5626	1373.5940	03/19/08	10:36:48	7360	423.5079	1354.5627	03/30/08	10:06:48	7360	511.1172	1332.6252	03/10/08	14:56:48	7370	393.4063	1372.5002	03/19/08	10:46:48	7370	421.8829	1352.9377	03/30/08	10:16:48	7370	508.0469	1332.2190
03/10/08	15:06:48	7380	393.0704	1378.8127	03/19/08	10:56:48	7380	287.3282	1349.4065	03/30/08	10:26:48	7380	508.5626	1327.0627	03/10/08	15:16:48	7390	387.9141	1357.6877	03/19/08	11:06:48	7390	486.3985	1250.2502	03/30/08	10:36:48	7390	512.1720	1329.6252
03/10/08	15:26:48	7400	394.1016	1374.6877	03/19/08	11:16:48	7400	485.3672	1246.1252	03/30/08	10:46:48	7400	510.1641	1327.7502	03/10/08	15:36:48	7410	395.7422	1376.8127	03/19/08	11:26:48	7410	470.9610	1251.9377	03/30/08	10:56:48	7410	507.5860	1329.3127
03/10/08	15:46:48	7420	394.5313	1366.3752	03/19/08	11:36:48	7420	476.5469	1248.0315	03/30/08	11:06:48	7420	512.6876	1321.3752	03/10/08	15:56:48	7430	393.0704	1375.2190	03/19/08	11:46:48	7430	455.4922	1257.0940	03/30/08	11:16:48	7430	506.0079	1323.0002
03/10/08	16:06:48	7440	392.5547	1375.2190	03/19/08	11:56:48	7440	452.7891	1264.0627	03/30/08	11:26:48	7440	515.2657	1325.5002	03/10/08	16:16:48	7450	393.5001	1374.1252	03/19/08	12:06:48	7450	454.3360	1259.9065	03/30/08	11:36:48	7450	515.7814	1320.3440
03/10/08	16:26:48	7460	392.5547	1361.8127	03/19/08	12:16:48	7460	453.3672	1264.6877	03/30/08	11:46:48	7460	517.9064	1326.7190	03/10/08	16:36:48	7470	393.1641	1350.0315	03/19/08	12:26:48	7470	449.2344	1253.3440	03/30/08	11:56:48	7470	515.2970	1331.2815
03/10/08	16:46:48	7480	393.5001	1379.2815	03/19/08	12:36:48	7480	454.3985	1256.4377	03/30/08	12:06:48	7480	513.7501	1326.6252	03/10/08	16:56:48	7490	393.9219	1373.0002	03/19/08	12:46:48	7490	452.9141	1254.5002	03/30/08	12:16:48	7490	513.2657	1342.1877
03/10/08	17:06:48	7500	393.0704	1378.3127	03/19/08	12:56:48	7500	448.7188	1260.0627	03/30/08	12:26:48	7500	497.7891	1327.7502	03/10/08	17:16:48	7510	391.8516	1369.9065	03/19/08	13:06:48	7510	449.1719	1254.2502	03/30/08	12:36:48	7510	509.1329	1323.6252
03/10/08	17:26:48	7520	390.3985	1365.3440	03/19/08	13:16:48	7520	451.3594	1250.3752	03/30/08	12:46:48	7520	514.2345	1324.4690	03/10/08	17:36:48	7530	393.9219	1374.5627	03/19/08	13:26:48	7530	452.9141	1252.4377	03/30/08	12:56:48	7530	511.6876	1327.6565
03/10/08	17:46:48	7540	393.0704	1369.5315	03/19/08	13:36:48	7540	448.7188	1241.4690	03/30/08	13:06:48	7540	511.6563	1325.5002	03/10/08	17:56:48	7550	395.0469	1372.0315	03/19/08	13:46:48	7550	443.0469	1242.5002	03/30/08	13:16:48	7550	516.8439	1328.1877
03/10/08	18:06:48	7560	391.9454	1377.2190	03/19/08	13:56:48	7560	445.7501	1245.3752	03/30/08	13:26:48	7560	514.2970	1313.8127	03/10/08	18:16:48	7570	392.0391	1376.7502	03/19/08	14:06:48	7570	451.8751	1256.5627	03/30/08	13:36:48	7570	513.7501	1328.1877
03/10/08	18:26:48	7580	394.9532	1371.4690	03/19/08	14:16:48	7580	450.2735	1249.2190	03/30/08	13:46:48	7580	518.9064	1323.5315	03/10/08	18:36:48	7590	391.5235	1378.8127	03/19/08	14:26:48	7590	445.6251	1246.1252	03/30/08	13:56:48	7590	514.2970	1323.1252
03/10/08	18:46:48	7600	391.9454	1379.2815	03/19/08	14:36:48	7600	447.6876	1243.0315	03/30/08	14:06:48	7600	504.4610	1321.9690	03/10/08	18:56:48	7610	396.5938	1376.1877	03/19/08	14:46:48	7610	445.2344	1243.3127	03/30/08	14:16:48	7610	508.0782	1316.3127
03/10/08	19:06:48	7620	393.4063	1373.0002	03/19/08	14:56:48	7620	444.6563	1246.2502	03/30/08	14:26:48	7620	506.4922	1326.0002	03/10/08	19:16:48	7630	392.5547	1378.8127	03/19/08	15:06:48	7630	442.0782	1236.4377	03/30/08	14:36:48	7630	510.1641	1326.7190
03/10/08	19:26:48	7640	391.4297	1375.1565	03/19/08	15:16:48	7640	450.2735	1249.2190	03/30/08	14:46:48	7640	512.6876	1323.9377	03/10/08	19:36:48	7650	394.0157	1378.7502	03/19/08	15:26:48	7650	446.6563	1243.5315	03/30/08	14:56:48	7650	514.8126	1319.0002
03/10/08	19:46:48	7660	391.9454	1379.7815	03/19/08	15:36:48	7660	440.9766	1250.2502	03/30/08	15:06:48	7660	512.2032	1314.2502	03/10/08	19:56:48	7670	394.1016	1379.8440	03/19/08	15:46:48	7670	448.7188	1240.9377	03/30/08	15:16:48	7670	509.1094	1307.5315
03/10/08	20:06:48	7680	389.7891	1394.6877																									

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/10/08	22:56:48	7850	399.0860	1379.7190	03/19/08	18:46:48	7850	445.2344	1253.0940	03/30/08	18:16:48	7850	510.1094	1334.2815				
03/10/08	23:06:48	7860	399.0860	1399.8752	03/19/08	18:56:48	7860	447.2344	1262.2502	03/30/08	18:26:48	7860	513.2032	1339.9690				
03/10/08	23:16:48	7870	395.9844	1399.3440	03/19/08	19:06:48	7870	452.8516	1256.4377	03/30/08	18:36:48	7870	513.7501	1342.6252				
03/10/08	23:26:48	7880	399.6016	1399.3440	03/19/08	19:16:48	7880	449.8126	1256.0627	03/30/08	18:46:48	7880	515.2657	1344.5940				
03/10/08	23:36:48	7890	397.1094	1407.1565	03/19/08	19:26:48	7890	448.2032	1269.8440	03/30/08	18:56:48	7890	514.2345	1342.5315				
03/10/08	23:46:48	7900	401.6641	1392.1252	03/19/08	19:36:48	7900	449.2344	1259.0002	03/30/08	19:06:48	7900	513.7501	1334.3752				
03/10/08	23:56:48	7910	395.0469	1391.1565	03/19/08	19:46:48	7910	449.7501	1267.2815	03/30/08	19:16:48	7910	510.6876	1340.6565				
03/11/08	00:06:48	7920	399.0860	1400.3752	03/19/08	19:56:48	7920	445.1094	1260.5627	03/30/08	19:26:48	7920	513.2345	1342.6252				
03/11/08	00:16:48	7930	396.0782	1413.8440	03/19/08	20:06:48	7930	451.8204	1255.9065	03/30/08	19:36:48	7930	507.0391	1346.2502				
03/11/08	00:26:48	7940	398.7501	1398.9377	03/19/08	20:16:48	7940	447.2344	1268.9377	03/30/08	19:46:48	7940	512.2032	1336.4377				
03/11/08	00:36:48	7950	399.0860	1409.6877	03/19/08	20:26:48	7950	444.5313	1266.6252	03/30/08	19:56:48	7950	516.3282	1344.1877				
03/11/08	00:46:48	7960	399.0860	1400.3752	03/19/08	20:36:48	7960	449.7501	1259.0002	03/30/08	20:06:48	7960	519.9220	1348.7502				
03/11/08	00:56:48	7970	398.0547	1412.2502	03/19/08	20:46:48	7970	440.9766	1262.6252	03/30/08	20:16:48	7970	520.4376	1345.1252				
03/11/08	01:06:48	7980	396.0782	1395.2815	03/19/08	20:56:48	7980	450.3907	1261.8440	03/30/08	20:26:48	7980	518.3907	1343.1565				
03/11/08	01:16:48	7990	397.4454	1397.2190	03/19/08	21:06:48	7990	451.7579	1268.6877	03/30/08	20:36:48	7990	518.9376	1348.3752				
03/11/08	01:26:48	8000	399.6876	1390.1252	03/19/08	21:16:48	8000	446.7188	1260.1877	03/30/08	20:46:48	8000	518.9064	1343.1565				
03/11/08	01:36:48	8010	400.7188	1396.8127	03/19/08	21:26:48	8010	447.6876	1261.0940	03/30/08	20:56:48	8010	520.9532	1344.5940				
03/11/08	01:46:48	8020	399.6876	1397.8440	03/19/08	21:36:48	8020	448.7813	1264.8127	03/30/08	21:06:48	8020	520.4532	1346.2502				
03/11/08	01:56:48	8030	399.6876	1410.2502	03/19/08	21:46:48	8030	452.3360	1265.7190	03/30/08	21:16:48	8030	516.2970	1355.9690				
03/11/08	02:06:48	8040	402.6954	1407.5940	03/19/08	21:56:48	8040	448.2032	1262.6252	03/30/08	21:26:48	8040	516.8126	1347.7190				
03/11/08	02:16:48	8050	400.1172	1397.7815	03/19/08	22:06:48	8050	450.7891	1266.2502	03/30/08	21:36:48	8050	519.4064	1342.5315				
03/11/08	02:26:48	8060	398.6563	1397.3440	03/19/08	22:16:48	8060	451.3594	1269.4690	03/30/08	21:46:48	8060	523.0157	1339.4377				
03/11/08	02:36:48	8070	404.7657	1415.8752	03/19/08	22:26:48	8070	450.2735	1259.0002	03/30/08	21:56:48	8070	519.8907	1343.5002				
03/11/08	02:46:48	8080	398.5704	1408.6252	03/19/08	22:36:48	8080	450.3907	1257.2190	03/30/08	22:06:48	8080	523.0001	1351.2502				
03/11/08	02:56:48	8090	397.4454	1398.2502	03/19/08	22:46:48	8090	444.5313	1268.1877	03/30/08	22:16:48	8090	522.0001	1346.2502				
03/11/08	03:06:48	8100	399.6016	1400.9065	03/19/08	22:56:48	8100	449.2969	1261.7190	03/30/08	22:26:48	8100	521.9689	1360.0315				
03/11/08	03:16:48	8110	394.4376	1409.1565	03/19/08	23:06:48	8110	447.1719	1270.3752	03/30/08	22:36:48	8110	521.4845	1340.5627				
03/11/08	03:26:48	8120	389.8829	1402.5002	03/19/08	23:16:48	8120	450.2735	1267.2815	03/30/08	22:46:48	8120	518.9064	1346.2502				
03/11/08	03:36:48	8130	389.2735	1409.1565	03/19/08	23:26:48	8130	446.7813	1261.8440	03/30/08	22:56:48	8130	521.4689	1347.1877				
03/11/08	03:46:48	8140	396.5001	1401.4065	03/19/08	23:36:48	8140	448.6563	1267.6565	03/30/08	23:06:48	8140	525.5939	1349.7815				
03/11/08	03:56:48	8150	387.8204	1392.6877	03/19/08	23:46:48	8150	445.1094	1255.4065	03/30/08	23:16:48	8150	518.8907	1351.8440				
03/11/08	04:06:48	8160	392.3672	1404.5002	03/19/08	23:56:48	8160											

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				
03/11/08	07:06:48	8340	393.3126	1394.6252	03/20/08	02:56:48	8340	451.8204	1257.9690	03/31/08	02:26:48	8340	517.9064	1342.7190					
03/11/08	07:16:48	8350	399.7813	1389.6565	03/20/08	03:06:48	8350	451.8751	1248.3127	03/31/08	02:36:48	8350	517.3907	1340.6565					
03/11/08	07:26:48	8360	392.4610	1396.3127	03/20/08	03:16:48	8360	451.3594	1261.2190	03/31/08	02:46:48	8360	521.4689	1342.5315					
03/11/08	07:36:48	8370	396.5001	1396.7502	03/20/08	03:26:48	8370	452.2735	1275.4065	03/31/08	02:56:48	8370	518.3907	1345.2190					
03/11/08	07:46:48	8380	397.1094	1388.5627	03/20/08	03:36:48	8380	452.3360	1278.1252	03/31/08	03:06:48	8380	521.4689	1361.6565					
03/11/08	07:56:48	8390	399.6016	1380.2502	03/20/08	03:46:48	8390	447.1719	1263.1565	03/31/08	03:16:48	8390	522.5001	1362.6877					
03/11/08	08:06:48	8400	395.0469	1393.7190	03/20/08	03:56:48	8400	452.3360	1272.4377	03/31/08	03:26:48	8400	518.9064	1336.4377					
03/11/08	08:16:48	8410	394.6172	1379.8440	03/20/08	04:06:48	8410	453.9454	1270.5002	03/31/08	03:36:48	8410	518.3907	1336.9377					
03/11/08	08:26:48	8420	397.4454	1396.1877	03/20/08	04:16:48	8420	460.5391	1269.2190	03/31/08	03:46:48	8420	519.9220	1352.3440					
03/11/08	08:36:48	8430	397.5313	1384.3752	03/20/08	04:26:48	8430	452.2735	1265.0940	03/31/08	03:56:48	8430	520.9689	1338.5002					
03/11/08	08:46:48	8440	397.6251	1382.8752	03/20/08	04:36:48	8440	451.8204	1265.2190	03/31/08	04:06:48	8440	518.8907	1343.0627					
03/11/08	08:56:48	8450	394.9532	1384.3752	03/20/08	04:46:48	8450	449.8126	1267.9065	03/31/08	04:16:48	8450	520.9532	1360.0940					
03/11/08	09:06:48	8460	391.4297	1378.2502	03/20/08	04:56:48	8460	448.7813	1261.2190	03/31/08	04:26:48	8460	515.8126	1337.9690					
03/11/08	09:16:48	8470	395.0469	1380.3127	03/20/08	05:06:48	8470	449.2344	1272.4377	03/31/08	04:36:48	8470	519.3751	1344.0002					
03/11/08	09:26:48	8480	392.0391	1378.3127	03/20/08	05:16:48	8480	451.8204	1269.8440	03/31/08	04:46:48	8480	519.9220	1344.0940					
03/11/08	09:36:48	8490	396.5938	1376.6877	03/20/08	05:26:48	8490	450.7266	1273.8440	03/31/08	04:56:48	8490	521.4845	1350.8752					
03/11/08	09:46:48	8500	390.4922	1365.4065	03/20/08	05:36:48	8500	446.0782	1263.0002	03/31/08	05:06:48	8500	523.5314	1364.7502					
03/11/08	09:56:48	8510	394.0157	1383.9065	03/20/08	05:46:48	8510	447.1094	1269.7190	03/31/08	05:16:48	8510	524.5939	1359.6565					
03/11/08	10:06:48	8520	395.0469	1383.4065	03/20/08	05:56:48	8520	446.5938	1253.1877	03/31/08	05:26:48	8520	519.9376	1350.8752					
03/11/08	10:16:48	8530	393.5001	1363.2815	03/20/08	06:06:48	8530	453.3047	1278.5002	03/31/08	05:36:48	8530	518.3751	1338.4065					
03/11/08	10:26:48	8540	397.1094	1375.1565	03/20/08	06:16:48	8540	450.7891	1272.9377	03/31/08	05:46:48	8540	520.4376	1346.1565					
03/11/08	10:36:48	8550	395.0469	1375.6565	03/20/08	06:26:48	8550	453.8829	1265.2190	03/31/08	05:56:48	8550	521.4845	1344.1877					
03/11/08	10:46:48	8560	392.4610	1374.1252	03/20/08	06:36:48	8560	448.1407	1259.9065	03/31/08	06:06:48	8560	522.0001	1353.9690					
03/11/08	10:56:48	8570	388.4297	1378.8127	03/20/08	06:46:48	8570	453.3047	1274.9065	03/31/08	06:16:48	8570	523.0157	1343.0627					
03/11/08	11:06:48	8580	389.8829	1366.3752	03/20/08	06:56:48	8580	456.0079	1268.9377	03/31/08	06:26:48	8580	520.9532	1363.1877					
03/11/08	11:16:48	8590	388.8516	1379.2815	03/20/08	07:06:48	8590	457.8985	1276.3127	03/31/08	06:36:48	8590	525.5939	1358.5627					
03/11/08	11:26:48	8600	390.3985	1377.7190	03/20/08	07:16:48	8600	451.8204	1271.9065	03/31/08	06:46:48	8600	527.6720	1352.3440					
03/11/08	11:36:48	8610	389.0391	1358.7815	03/20/08	07:26:48	8610	456.9219	1269.7190	03/31/08	06:56:48	8610	533.3439	1346.1565					
03/11/08	11:46:48	8620	394.5313	1368.9377	03/20/08	07:36:48	8620	454.4610	1274.6252	03/31/08	07:06:48	8620	529.7657	1352.0002					
03/11/08	11:56:48	8630	393.5001	1352.9377	03/20/08	07:46:48	8630	455.9454	1265.7190	03/31/08	07:16:48	8630	530.2657	1346.7502					
03/11/08	12:06:48	8640	391.0079	1358.7190	03/20/08	07:56:48	8640	460.5938	1269.3440	03/31/08	07:26:48	8640	519.9220	1352.3					

Date/Time mm/dd/yy	Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	
				Date/Time mm/dd/yy	Time hh:mm:ss				Date/Time mm/dd/yy	Time hh:mm:ss				Date/Time mm/dd/yy	Time hh:mm:ss				
03/11/08	15:16:48	8830	388.7579	1367.8440	03/20/08	11:06:48	8830	444.5938	1247.6565	03/11/08	15:26:48	8840	390.3985	1362.7502	03/20/08	11:16:48	8840	446.6563	1255.9065
03/11/08	15:36:48	8850	388.3360	1350.8752	03/20/08	11:26:48	8850	448.2657	1242.6565	03/11/08	15:46:48	8860	387.9141	1366.4377	03/20/08	11:36:48	8860	447.8126	1251.5315
03/11/08	15:56:48	8870	390.4922	1367.4690	03/20/08	11:46:48	8870	442.4610	1249.5940	03/11/08	16:06:48	8880	390.8204	1352.8752	03/20/08	11:56:48	8880	447.1719	1244.5627
03/11/08	16:16:48	8890	389.7891	1353.3752	03/20/08	12:06:48	8890	447.2344	1244.7190	03/11/08	16:26:48	8900	390.4922	1360.7815	03/20/08	12:16:48	8900	443.5626	1247.1565
03/11/08	16:36:48	8910	391.0079	1363.8752	03/20/08	12:26:48	8910	441.4922	1253.3440	03/11/08	16:46:48	8920	388.8516	1361.2190	03/20/08	12:36:48	8920	451.8751	1234.9065
03/11/08	16:56:48	8930	389.9766	1355.0940	03/20/08	12:46:48	8930	446.6563	1241.4690	03/11/08	17:06:48	8940	383.6876	1356.0315	03/20/08	12:56:48	8940	447.2344	1242.6565
03/11/08	17:16:48	8950	386.6876	1366.2815	03/20/08	13:06:48	8950	443.0469	1245.5940	03/11/08	17:26:48	8960	386.8829	1380.8752	03/20/08	13:16:48	8960	446.6563	1239.4065
03/11/08	17:36:48	8970	389.8829	1353.4690	03/20/08	13:26:48	8970	447.3594	1238.8127	03/11/08	17:46:48	8980	388.3360	1361.7190	03/20/08	13:36:48	8980	447.2344	1250.3752
03/11/08	17:56:48	8990	389.8829	1362.7502	03/20/08	13:46:48	8990	445.5626	1222.2190	03/11/08	18:06:48	9000	388.8516	1358.6252	03/20/08	13:56:48	9000	442.5313	1246.6252
03/11/08	18:16:48	9010	389.4610	1363.3440	03/20/08	14:06:48	9010	448.7188	1241.9690	03/11/08	18:26:48	9020	389.3672	1363.7815	03/20/08	14:16:48	9020	441.4922	1242.5002
03/11/08	18:36:48	9030	387.8204	1362.7502	03/20/08	14:26:48	9030	444.6563	1244.7190	03/11/08	18:46:48	9040	388.8516	1365.8440	03/20/08	14:36:48	9040	448.1407	1238.7502
03/11/08	18:56:48	9050	388.9454	1365.9377	03/20/08	14:46:48	9050	444.1407	1248.3127	03/11/08	19:06:48	9060	388.4297	1384.5002	03/20/08	14:56:48	9060	445.7501	1243.3127
03/11/08	19:16:48	9070	386.7891	1379.2815	03/20/08	15:06:48	9070	445.6876	1239.5315	03/11/08	19:26:48	9080	384.3047	1370.0627	03/20/08	15:16:48	9080	448.7813	1249.3440
03/11/08	19:36:48	9090	388.4297	1367.4690	03/20/08	15:26:48	9090	442.5938	1230.7815	03/11/08	19:46:48	9100	388.4297	1375.2190	03/20/08	15:36:48	9100	447.6876	1249.2190
03/11/08	19:56:48	9110	387.3047	1379.2815	03/20/08	15:46:48	9110	445.1719	1251.4065	03/11/08	20:06:48	9120	388.3360	1364.8127	03/20/08	15:56:48	9120	447.7501	1248.3127
03/11/08	20:16:48	9130	389.2735	1380.2502	03/20/08	16:06:48	9130	446.7188	1246.2502	03/11/08	20:26:48	9140	386.8829	1367.4690	03/20/08	16:16:48	9140	446.6563	1248.6877
03/11/08	20:36:48	9150	388.8516	1373.0627	03/20/08	16:26:48	9150	450.2735	1258.5002	03/11/08	20:46:48	9160	388.9454	1371.0940	03/20/08	16:36:48	9160	450.3282	1244.7190
03/11/08	20:56:48	9170	389.5547	1373.2190	03/20/08	16:46:48	9170	447.2344	1240.5627	03/11/08	21:06:48	9180	391.5235	1370.0627	03/20/08	16:56:48	9180	450.7891	1239.4065
03/11/08	21:16:48	9190	385.7579	1377.7190	03/20/08	17:06:48	9190	448.6563	1239.7815	03/11/08	21:26:48	9200	390.9141	1375.6565	03/20/08	17:16:48	9200	449.2344	1252.3127
03/11/08	21:36:48	9210	385.6563	1377.1252	03/20/08	17:26:48	9210	451.3047	1247.1565	03/11/08	21:46:48	9220	388.7579	1395.7190	03/20/08	17:36:48	9220	447.8126	1245.3752
03/11/08	21:56:48	9230	388.3360	1376.1877	03/20/08	17:46:48	9230	452.8516	1245.5940	03/11/08	22:06:48	9240	390.3985	1390.6252	03/20/08	17:56:48	9240	448.2657	1252.9690
03/11/08	22:16:48	9250	389.8829	1393.2190	03/20/08	18:06:48	9250	450.8438	1248.3127	03/11/08	22:26:48	9260	391.5235	1373.6565	03/20/08	18:16:48	9260	450.7891	1257.4690
03/11/08	22:36:48	9270	386.8829	1393.7815	03/20/08	18:26:48	9270	450.2110	1262.5002	03/11/08	22:46:48	9280	388.3360	1387.0002	03/20/08	18:36:48	9280	451.8204	1246.1252
03/11/08	22:56:48	9290	389.4610	1385.5315	03/20/08	18:46:48	9290	454.3985	1263.1565	03/11/08	23:06:48	9300	392.3672	1375.5940	03/20/08	18:56:48	9300	449.6329	1264.9377
03/11/08	23:16:48	9310	387.9141	1385.5315	03/20/08	19:06:48	9310	450.9063	1263.4065										

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/11/08	23:26:48	9320	389.8829	1384.9377	03/20/08	19:16:48	9320	455.4297	1272.4377									
03/11/08	23:36:48	9330	391.4297	1377.2190	03/20/08	19:26:48	9330	452.2735	1265.0940									
03/11/08	23:46:48	9340	388.9454	1378.3127	03/20/08	19:36:48	9340	450.2735	1266.7502									
03/11/08	23:56:48	9350	393.0704	1376.2502	03/20/08	19:46:48	9350	457.0938	1262.3752									
03/12/08	00:06:48	9360	395.4688	1384.3752	03/20/08	19:56:48	9360	451.8751	1259.1565									
03/12/08	00:16:48	9370	388.5235	1396.9377	03/20/08	20:06:48	9370	453.3672	1268.3127									
03/12/08	00:26:48	9380	392.3672	1389.0315	03/20/08	20:16:48	9380	453.8829	1261.0940									
03/12/08	00:36:48	9390	392.3672	1385.9065	03/20/08	20:26:48	9390	449.7501	1276.5627									
03/12/08	00:46:48	9400	391.0079	1405.6565	03/20/08	20:36:48	9400	452.3360	1270.8752									
03/12/08	00:56:48	9410	388.8516	1399.4065	03/20/08	20:46:48	9410	455.4297	1263.1565									
03/12/08	01:06:48	9420	389.9766	1396.3752	03/20/08	20:56:48	9420	452.3907	1262.2502									
03/12/08	01:16:48	9430	388.3360	1385.4690	03/20/08	21:06:48	9430	457.0938	1272.6877									
03/12/08	01:26:48	9440	393.0704	1399.4690	03/20/08	21:16:48	9440	452.3907	1263.2815									
03/12/08	01:36:48	9450	391.5235	1402.0315	03/20/08	21:26:48	9450	456.4610	1271.4065									
03/12/08	01:46:48	9460	389.8829	1392.1877	03/20/08	21:36:48	9460	451.8204	1264.6877									
03/12/08	01:56:48	9470	396.5938	1388.5627	03/20/08	21:46:48	9470	453.8204	1261.4690									
03/12/08	02:06:48	9480	396.5001	1383.8440	03/20/08	21:56:48	9480	452.9141	1275.1252									
03/12/08	02:16:48	9490	391.3360	1382.8127	03/20/08	22:06:48	9490	453.9454	1260.1877									
03/12/08	02:26:48	9500	392.4610	1381.3440	03/20/08	22:16:48	9500	457.4922	1270.8752									
03/12/08	02:36:48	9510	390.8204	1383.3440	03/20/08	22:26:48	9510	452.3360	1258.5002									
03/12/08	02:46:48	9520	390.3047	1402.4377	03/20/08	22:36:48	9520	453.8204	1261.9690									
03/12/08	02:56:48	9530	390.3047	1393.1565	03/20/08	22:46:48	9530	454.4610	1245.7502									
03/12/08	03:06:48	9540	386.6876	1394.1877	03/20/08	22:56:48	9540	453.3672	1259.0002									
03/12/08	03:16:48	9550	391.9454	1388.5627	03/20/08	23:06:48	9550	451.7579	1270.2502									
03/12/08	03:26:48	9560	391.3360	1405.0315	03/20/08	23:16:48	9560	447.7501	1284.4377									
03/12/08	03:36:48	9570	392.2735	1386.8752	03/20/08	23:26:48	9570	450.3282	1258.1252									
03/12/08	03:46:48	9580	394.3438	1398.7815	03/20/08	23:36:48	9580	452.7891	1278.5002									
03/12/08	03:56:48	9590	391.9454	1384.9377	03/20/08	23:46:48	9590	451.2422	1259.9065									
03/12/08	04:06:48	9600	394.6172	1385.5315	03/20/08	23:56:48	9600	452.2735	1260.9377									
03/12/08	04:16:48	9610	393.4063	1380.7502	03/21/08	00:06:48	9610	454.3360	1284.7190									
03/12/08	04:26:48	9620	383.5938	1381.7815	03/21/08	00:16:48	9620	453.8204	1265.5940									
03/12/08	04:36:48	9630	387.2032	1380.2502	03/21/08	00:26:48	9630	455.4297	1262.6252									
03/12/08	04:46:48	9640	388.3360	1389.5940	03/21/08	00:36:48	9640	455.0313	1261.8440									
03/12/08	04:56:48	9650	385.7579	1390.1252	03/21/08	00:46:48	9650	450.7891	1291.0002									
03/12/08	05:06:48	9660	390.3047	1398.3127	03/21/08	00:56:48	9660	451.8751	1258.1252									
03/12/08	05:16:48	9670	384.6251	1390.5627	03/21/08	01:06:48	9670	454.8594	1272.3127									
03/12/08	05:26:48	9680	384.3047	1396.3752	03/21/08	01:16:48	9680	453.8204	1294.5002									
03/12/08	05:36:48	9690	388.7579	1400.9065	03/21/08	01:26:48	9690	454.8594	1292.9690									
03/12/08	05:46:48	9700	386.1719	1396.2502	03/21/08	01:36:48	9700	452.3360	1293.5940									
03/12/08	05:56:48	9710	388.9454	1392.2190	03/21/08	01:46:48												

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/12/08	07:36:48	9810	387.8204	1376.6877	03/21/08	03:26:48	9810	456.9766	1301.3440									
03/12/08	07:46:48	9820	392.9766	1378.7502	03/21/08	03:36:48	9820	455.4297	1286.3752									
03/12/08	07:56:48	9830	388.7579	1373.5315	03/21/08	03:46:48	9830	457.4376	1266.1252									
03/12/08	08:06:48	9840	390.3047	1378.6877	03/21/08	03:56:48	9840	458.0079	1281.7190									
03/12/08	08:16:48	9850	394.8594	1380.6877	03/21/08	04:06:48	9850	465.1797	1287.2815									
03/12/08	08:26:48	9860	394.0157	1375.6565	03/21/08	04:16:48	9860	462.0860	1292.4377									
03/12/08	08:36:48	9870	394.0157	1390.1252	03/21/08	04:26:48	9870	460.0157	1288.8440									
03/12/08	08:46:48	9880	391.9454	1374.1252	03/21/08	04:36:48	9880	460.6485	1280.8127									
03/12/08	08:56:48	9890	391.8516	1372.5002	03/21/08	04:46:48	9890	459.1563	1277.8440									
03/12/08	09:06:48	9900	390.8204	1369.4065	03/21/08	04:56:48	9900	462.6016	1274.3752									
03/12/08	09:16:48	9910	392.9766	1378.2502	03/21/08	05:06:48	9910	461.0547	1280.0627									
03/12/08	09:26:48	9920	392.0391	1375.7190	03/21/08	05:16:48	9920	454.3360	1297.6252									
03/12/08	09:36:48	9930	392.3672	1367.8440	03/21/08	05:26:48	9930	459.5001	1276.4377									
03/12/08	09:46:48	9940	395.4688	1366.8127	03/21/08	05:36:48	9940	462.6016	1268.6877									
03/12/08	09:56:48	9950	385.9454	1359.2815	03/21/08	05:46:48	9950	457.4376	1288.3127									
03/12/08	10:06:48	9960	386.6876	1361.1252	03/21/08	05:56:48	9960	458.0079	1272.4377									
03/12/08	10:16:48	9970	388.8516	1360.1877	03/21/08	06:06:48	9970	455.4297	1287.9065									
03/12/08	10:26:48	9980	401.8438	1347.3440	03/21/08	06:16:48	9980	458.9844	1286.2502									
03/12/08	10:36:48	9990	406.6563	1345.4690	03/21/08	06:26:48	9990	458.0704	1277.1877									
03/12/08	10:46:48	10000	410.0157	1350.3752	03/21/08	06:36:48	10000	459.5626	1271.4065									
03/12/08	10:56:48	10010	407.0001	1364.9065	03/21/08	06:46:48	10010	454.3360	1265.0940									
03/12/08	11:06:48	10020	412.0782	1358.1252	03/21/08	06:56:48	10020	464.2032	1266.2502									
03/12/08	11:16:48	10030	410.0938	1338.5940	03/21/08	07:06:48	10030	467.7657	1268.1877									
03/12/08	11:26:48	10040	411.0469	1350.3752	03/21/08	07:16:48	10040	459.5626	1277.0940									
03/12/08	11:36:48	10050	413.1094	1343.6565	03/21/08	07:26:48	10050	459.5626	1275.0002									
03/12/08	11:46:48	10060	406.9141	1337.9690	03/21/08	07:36:48	10060	464.6641	1271.7815									
03/12/08	11:56:48	10070	407.0001	1344.7815	03/21/08	07:46:48	10070	464.7188	1277.0940									
03/12/08	12:06:48	10080	410.0938	1348.9065	03/21/08	07:56:48	10080	458.9844	1279.0315									
03/12/08	12:16:48	10090	407.9454	1341.5940	03/21/08	08:06:48	10090	460.5938	1263.6565									
03/12/08	12:26:48	10100	404.4219	1332.4065	03/21/08	08:16:48	10100	461.1094	1266.2502									
03/12/08	12:36:48	10110	406.3985	1340.5627	03/21/08	08:26:48	10110	467.8204	1281.7190									
03/12/08	12:46:48	10120	405.4532	1332.9065	03/21/08	08:36:48	10120	462.1407	1258.5002									
03/12/08	12:56:48	10130	408.8985	1344.0940	03/21/08	08:46:48	10130	465.7032	1261.9690									
03/12/08	13:06:48	10140	408.5469	1330.8440	03/21/08	08:56:48	10140	467.3047	1270.8752									
03/12/08	13:16:48	10150	407.4297	1347.2815	03/21/08	09:06:48	10150	460.0782	1265.7190									
03/12/08	13:26:48	10160	409.5001	1343.1565	03/21/08	09:16:48	10160	461.6251	1251.2815									
03/12/08	13:36:48	10170	404.2501	1335.3127	03/21/08	09:26:48	10170	460.5938	1257.4690									
03/12/08	13:46:48	10180	405.3672	1327.1565	03/21/08	09:36:48	10180	373.3672	1282.7502									
03/12/08	13:56:48	10190	407.4297	1331.7815	03/21/08	09:46:48	10190	370.2735	1290.5002									
03/12/08	14:06:48	10200	405.281															

## A-4

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy	hh:mm:ss	Minutes	SCFM												
03/12/08	15:46:48	10300	404.8516	1332.8127	03/21/08	11:36:48	10300	361.5001	1264.1877						
03/12/08	15:56:48	10310	410.9610	1335.8127	03/21/08	11:46:48	10310	362.1251	1274.6252						
03/12/08	16:06:48	10320	405.3672	1335.9065	03/21/08	11:56:48	10320	362.0157	1280.6877						
03/12/08	16:16:48	10330	406.5704	1342.2815	03/21/08	12:06:48	10330	360.6876	1282.4690						
03/12/08	16:26:48	10340	406.4844	1326.7190	03/21/08	12:16:48	10340	363.7813	1281.9690						
03/12/08	16:36:48	10350	410.4454	1337.3752	03/21/08	12:26:48	10350	360.5782	1298.8752						
03/12/08	16:46:48	10360	402.3594	1339.0940	03/21/08	12:36:48	10360	362.6407	1291.1252						
03/12/08	16:56:48	10370	408.4610	1337.4690	03/21/08	12:46:48	10370	362.0157	1280.1877						
03/12/08	17:06:48	10380	405.7969	1337.3752	03/21/08	12:56:48	10380	359.9454	1285.8440						
03/12/08	17:16:48	10390	407.4297	1339.0002	03/21/08	13:06:48	10390	366.2501	1280.3127						
03/12/08	17:26:48	10400	404.4219	1344.7815	03/21/08	13:16:48	10400	360.8672	1267.6565						
03/12/08	17:36:48	10410	408.8985	1345.1252	03/21/08	13:26:48	10410	358.5157	1291.6565						
03/12/08	17:46:48	10420	404.8516	1345.2190	03/21/08	13:36:48	10420	362.0157	1273.4690						
03/12/08	17:56:48	10430	402.7891	1350.3752	03/21/08	13:46:48	10430	364.5938	1273.4690						
03/12/08	18:06:48	10440	403.8204	1357.0627	03/21/08	13:56:48	10440	362.9376	1275.9377						
03/12/08	18:16:48	10450	403.3047	1341.5940	03/21/08	14:06:48	10450	359.0313	1292.6877						
03/12/08	18:26:48	10460	400.8126	1339.6252	03/21/08	14:16:48	10460	361.5001	1278.6252						
03/12/08	18:36:48	10470	408.4610	1357.0627	03/21/08	14:26:48	10470	362.4219	1280.5627						
03/12/08	18:46:48	10480	402.7891	1361.7190	03/21/08	14:36:48	10480	359.9454	1268.8127						
03/12/08	18:56:48	10490	405.3672	1343.6565	03/21/08	14:46:48	10490	365.6251	1283.7815						
03/12/08	19:06:48	10500	405.8829	1365.3440	03/21/08	14:56:48	10500	362.0157	1291.0002						
03/12/08	19:16:48	10510	411.0469	1352.4377	03/21/08	15:06:48	10510	359.5469	1274.6252						
03/12/08	19:26:48	10520	403.7344	1364.2190	03/21/08	15:16:48	10520	355.9297	1292.1565						
03/12/08	19:36:48	10530	404.8516	1342.1252	03/21/08	15:26:48	10530	366.0313	1262.5002						
03/12/08	19:46:48	10540	404.4219	1361.8127	03/21/08	15:36:48	10540	361.0938	1288.0315						
03/12/08	19:56:48	10550	403.3907	1358.1877	03/21/08	15:46:48	10550	364.0782	1277.0940						
03/12/08	20:06:48	10560	405.3672	1346.7502	03/21/08	15:56:48	10560	360.0626	1282.8752						
03/12/08	20:16:48	10570	410.5313	1348.3127	03/21/08	16:06:48	10570	362.1251	1271.0002						
03/12/08	20:26:48	10580	406.3985	1366.8752	03/21/08	16:16:48	10580	364.5938	1269.8440						
03/12/08	20:36:48	10590	406.3985	1343.1565	03/21/08	16:26:48	10590	365.2188	1279.7815						
03/12/08	20:46:48	10600	406.3985	1352.9377	03/21/08	16:36:48	10600	367.2813	1277.7190						
03/12/08	20:56:48	10610	407.8594	1364.7502	03/21/08	16:46:48	10610	363.5626	1279.6565						
03/12/08	21:06:48	10620	408.3829	1353.9065	03/21/08	16:56:48	10620	368.3126	1279.7815						
03/12/08	21:16:48	10630	404.8516	1365.8440	03/21/08	17:06:48	10630	365.1094	1274.5002						
03/12/08	21:26:48	10640	408.9766	1359.6565	03/21/08	17:16:48	10640	365.7344	1280.8127						
03/12/08	21:36:48	10650	405.8829	1375.1565	03/21/08	17:26:48	10650	366.2501	1271.5315						
03/12/08	21:46:48	10660	408.9766	1352.4377	03/21/08	17:36:48	10660	360.6876	1285.5627						
03/12/08	21:56:48	10670	410.5313	1361.2190	03/21/08	17:46:48	10670	360.6876	1276.8127						
03/12/08	22:06:48	10680	407.5157	1375.2190	03/21/08	17:56:48	10680	356.9688	1281.8440						
03/12/08	22:16:48	10690	410.5313	1345.2190	03/21/08	18:06:48	10690	359.5469	1279.7815						
03/12/08	22:26:48	10700	409.4141	1357.0002	03/21/08	18:16:48	10700	368.6172	1286.2502						
03/12/08	22:36:48	10710	408.3829	1362.1565	03/21/08	18:26:48	10710	365.7344	1299.9065						
03/12/08	22:46:48	10720	409.4141	1351.3127	03/21/08	18:36:48	10720	362.0157	1283.7815						
03/12/08	22:56:48	10730	406.3985	1358.6252	03/21/08	18:46:48	10730	358.9141	1282.2502						
03/12/08	23:06:48	10740	404.5079	1359.8127	03/21/08	18:56:48	10740	362.6407	1285.4690						
03/12/08	23:16:48	10750	408.4610	1365.8440	03/21/08	19:06:48	10750	361.5001	1294.1252						
03/12/08	23:26:48	10760	408.3829	1360.0940	03/21/08	19:16:48	10760	358.3985	1287.9065						
03/12/08	23:36:48	10770	409.4141	1362.6877	03/21/08	19:26:48	10770	359.9454	1298.2502						
03/12/08	23:46:48	10780	403.8204	1376.1877	03/21/08	19:36:48	10780	365.1094	1291.5315						

## A-4

## A-4

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy	hh:mm:ss	Minutes	SCFM												
03/13/08	08:06:48	11280	414.5782	1360.0940	03/22/08	03:56:48	11280	372.2344	1313.6252						
03/13/08	08:16:48	11290	411.6407	1354.0627	03/22/08	04:06:48	11290	371.7110	1313.6252						
03/13/08	08:26:48	11300	414.1407	1348.8127	03/22/08	04:16:48	11300	372.2344	1310.0002						
03/13/08	08:36:48	11310	412.1563	1345.8127	03/22/08	04:26:48	11310	370.7891	1318.3752						
03/13/08	08:46:48	11320	411.6407	1352.0002	03/22/08	04:36:48	11320	373.3672	1323.0002						
03/13/08	08:56:48	11330	412.5938	1345.2190	03/22/08	04:46:48	11330	372.3360	1331.7815						
03/13/08	09:06:48	11340	413.5469	1341.0002	03/22/08	04:56:48	11340	373.8829	1300.8127						
03/13/08	09:16:48	11350	415.1719	1346.7502	03/22/08	05:06:48	11350	369.5391	1311.4377						
03/13/08	09:26:48	11360	415.1719	1341.0940	03/22/08	05:16:48	11360	370.2735	1337.4690						
03/13/08	09:36:48	11370	413.6251	1335.4065	03/22/08	05:26:48	11370	373.9844	1316.4065						
03/13/08	09:46:48	11380	413.1094	1342.1252	03/22/08	05:36:48	11380	374.2969	1327.5627						
03/13/08	09:56:48	11390	411.5626	1336.4377	03/22/08	05:46:48	11390	372.2344	1308.9690						
03/13/08	10:06:48	11400	410.0938	1330.8440	03/22/08	05:56:48	11400	375.4297	1304.4377						
03/13/08	10:16:48	11410	405.8829	1345.2190	03/22/08	06:06:48	11410	378.9454	1323.9377						
03/13/08	10:26:48	11420	408.8126	1336.2502	03/22/08	06:16:48	11420	374.2969	1317.7502						
03/13/08	10:36:48	11430	406.4844	1343.7502	03/22/08	06:26:48	11430	379.5626	1320.9377						
03/13/08	10:46:48	11440	408.1172	1341.2502	03/22/08	06:36:48	11440	375.0157	1309.1877						
03/13/08	10:56:48	11450	407.9454	1341.5940	03/22/08	06:46:48	11450	376.4610	1324.0315						
03/13/08	11:06:48	11460	408.9766	1347.2815	03/22/08	06:56:48	11460	379.5626	1333.8440						
03/13/08	11:16:48	11470	407.9454	1336.9377	03/22/08	07:06:48	11470	378.4297	1312.5940						
03/13/08	11:26:48	11480	408.9766	1330.7502	03/22/08	07:16:48	11480	374.9141	1313.2190						
03/13/08	11:36:48	11490	403.4766	1327.3440	03/22/08	07:26:48	11490	381.0079	1321.8752						
03/13/08	11:46:48	11500	404.4219	1324.1565	03/22/08	07:36:48	11500	377.3985	1311.0315						
03/13/08	11:56:48	11510	405.8829	1333.8440	03/22/08	07:46:48	11510	382.0391	1328.0940						
03/13/08	12:06:48	11520	407.3438	1327.5627	03/22/08	07:56:48	11520	384.2032	1314.7502						
03/13/08	12:16:48	11530	408.9766	1334.3752	03/22/08	08:06:48	11530	388.7579	1311.0315						
03/13/08	12:26:48	11540	404.8516	1313.2190	03/22/08	08:16:48	11540	385.1407	1319.8127						
03/13/08	12:36:48	11550	407.9454	1321.9690	03/22/08	08:26:48	11550	383.7891	1316.9065						
03/13/08	12:46:48	11560	408.0313	1311.7502	03/22/08	08:36:48	11560	385.7579	1324.5627						
03/13/08	12:56:48	11570	404.4219	1322.5940	03/22/08	08:46:48	11570	385.3360	1309.6877						
03/13/08	13:06:48	11580	407.3438	1319.8127	03/22/08	08:56:48	11580	384.2032	1316.3127						
03/13/08	13:16:48	11590	404.3360	1319.9065	03/22/08	09:06:48	11590	382.1407	1308.5627						
03/13/08	13:26:48	11600	397.8047	1331.4690	03/22/08	09:16:48	11600	377.7032	1312.3752						
03/13/08	13:36:48	11610	408.4610	1317.8440	03/22/08	09:26:48	11610	380.6954	1314.8440						
03/13/08	13:46:48	11620	405.8829	1327.1565	03/22/08	09:36:48	11620	381.5235	1311.5627						
03/13/08	13:56:48	11630	399.3516	1312.9065	03/22/08	09:46:48	11630	376.2579	1305.7815						
03/13/08	14:06:48	11640	403.3907	1318.4690	03/22/08	09:56:48	11640	374.9141	1310.1252						
03/13/08	14:16:48	11650	400.2969	1333.9377	03/22/08	10:06:48	11650	370.3751	1308.6565						
03/13/08	14:26:48	11660	401.9297	1315.4690	03/22/08	10:16:48	11660	373.7813	1304.8440						
03/13/08	14:36:48	11670	406.4844	1321.5627	03/22/08	10:26:48	11670	369.2422	1307.0002						
03/13/08	14:46:48	11680	405.7110	1331.0940	03/22/08	10:36:48	11680	367.9922	1319.1877						
03/13/08	14:56:48	11690	399.6876	1320.9377	03/22/08	10:46:48	11690	368.3126	1315.8752						
03/13/08	15:06:48	11700	405.3672	1320.9377	03/22/08	10:56:48	11700	368.7266	1305.9690						
03/13/08	15:16:48	11710	400.2032	1323.0002	03/22/08	11:06:48	11710	369.6485	1306.9065						
03/13/08	15:26:48	11720	401.6641	1320.8440	03/22/08	11:16:48	11720	367.2813	1294.2190						
03/13/08	15:36:48	11730	403.3907	1327.7502	03/22/08	11:26:48	11730	368.3126	1287.0002						
03/13/08	15:46:48	11740	404.4219	1330.8440	03/22/08	11:36:48	11740	366.7657	1291.6565						
03/13/08	15:56:48	11750	409.9297	1323.9377	03/22/08	11:46:48	11750	367.5860	1298.6565						
03/13/08	16:06:48	11760	409.5001	1329.7190	03/22/08	11:56:48	11760	366.5469	1297.0940						

Date/Time mm/dd/yy	Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time hh:mm:ss	Influent Flow SCFM	Effluent Flow SCFM	
				Date/Time mm/dd/yy	Time hh:mm:ss				Date/Time mm/dd/yy	Time hh:mm:ss				Date/Time mm/dd/yy	Time hh:mm:ss				
03/13/08	16:16:48	11770	410.5313	1321.9690	03/22/08	12:06:48	11770	368.1016	1291.4065	03/13/08	16:26:48	11780	409.6641	1333.0002	03/22/08	12:16:48	11780	367.2813	1303.0002
03/13/08	16:36:48	11790	410.6094	1336.5315	03/22/08	12:26:48	11790	365.2188	1294.2190	03/13/08	16:46:48	11800	410.0157	1333.3440	03/22/08	12:36:48	11800	369.1329	1300.1877
03/13/08	16:56:48	11810	407.3438	1329.6252	03/22/08	12:46:48	11810	365.0001	1300.1877	03/13/08	17:06:48	11820	407.0001	1324.6565	03/22/08	12:56:48	11820	364.0782	1297.7190
03/13/08	17:16:48	11830	407.5157	1338.5940	03/22/08	13:06:48	11830	366.1407	1306.5002	03/13/08	17:26:48	11840	410.0938	1332.9065	03/22/08	13:16:48	11840	369.7579	1293.0940
03/13/08	17:36:48	11850	409.0626	1339.6252	03/22/08	13:26:48	11850	362.1251	1279.2502	03/13/08	17:46:48	11860	407.5157	1339.0940	03/22/08	13:36:48	11860	363.1563	1298.3440
03/13/08	17:56:48	11870	408.3829	1323.9377	03/22/08	13:46:48	11870	366.6563	1294.1252	03/13/08	18:06:48	11880	410.0938	1315.3752	03/22/08	13:56:48	11880	365.1094	1277.0940
03/13/08	18:16:48	11890	408.3829	1337.9065	03/22/08	14:06:48	11890	365.4063	1294.4065	03/13/08	18:26:48	11900	412.0782	1344.1877	03/22/08	14:16:48	11900	368.2032	1284.8127
03/13/08	18:36:48	11910	408.1172	1343.8440	03/22/08	14:26:48	11910	365.0001	1299.1565	03/13/08	18:46:48	11920	410.0938	1340.1252	03/22/08	14:36:48	11920	359.5469	1294.2190
03/13/08	18:56:48	11930	410.0157	1332.3127	03/22/08	14:46:48	11930	366.1407	1287.4065	03/13/08	19:06:48	11940	409.4141	1346.1565	03/22/08	14:56:48	11940	365.6251	1300.3127
03/13/08	19:16:48	11950	411.6407	1339.6252	03/22/08	15:06:48	11950	362.5313	1299.7815	03/13/08	19:26:48	11960	411.5626	1341.0940	03/22/08	15:16:48	11960	361.9063	1300.7190
03/13/08	19:36:48	11970	413.5469	1345.6252	03/22/08	15:26:48	11970	362.4219	1300.7190	03/13/08	19:46:48	11980	413.6251	1345.2190	03/22/08	15:36:48	11980	364.8126	1299.5002
03/13/08	19:56:48	11990	409.5782	1344.7815	03/22/08	15:46:48	11990	364.1876	1290.0940	03/13/08	20:06:48	12000	407.9454	1349.3440	03/22/08	15:56:48	12000	365.0001	1303.8127
03/13/08	20:16:48	12010	414.1407	1346.2502	03/22/08	16:06:48	12010	362.5313	1308.0315	03/13/08	20:26:48	12020	409.0626	1353.5315	03/22/08	16:16:48	12020	359.0313	1288.5627
03/13/08	20:36:48	12030	414.1407	1344.6877	03/22/08	16:26:48	12030	366.7657	1297.8440	03/13/08	20:46:48	12040	407.9454	1344.1877	03/22/08	16:36:48	12040	363.5626	1298.7502
03/13/08	20:56:48	12050	409.1485	1346.4065	03/22/08	16:46:48	12050	363.6719	1304.5315	03/13/08	21:06:48	12060	410.5313	1345.7190	03/22/08	16:56:48	12060	368.7266	1301.3440
03/13/08	21:16:48	12070	409.5782	1352.0002	03/22/08	17:06:48	12070	360.5782	1297.3127	03/13/08	21:26:48	12080	411.6407	1342.1877	03/22/08	17:16:48	12080	364.1876	1301.9690
03/13/08	21:36:48	12090	416.7188	1350.8752	03/22/08	17:26:48	12090	361.6094	1301.9690	03/13/08	21:46:48	12100	413.1876	1345.8127	03/22/08	17:36:48	12100	365.5157	1282.6252
03/13/08	21:56:48	12110	413.0235	1355.9690	03/22/08	17:46:48	12110	364.4844	1313.6252	03/13/08	22:06:48	12120	410.5313	1345.2190	03/22/08	17:56:48	12120	363.5626	1298.2502
03/13/08	22:16:48	12130	412.5938	1351.4065	03/22/08	18:06:48	12130	365.1094	1298.7502	03/13/08	22:26:48	12140	414.0626	1349.7815	03/22/08	18:16:48	12140	363.4532	1311.5627
03/13/08	22:36:48	12150	412.0782	1353.9690	03/22/08	18:26:48	12150	367.0704	1310.0002	03/13/08	22:46:48	12160	414.1407	1347.2815	03/22/08	18:36:48	12160	364.0782	1298.2502
03/13/08	22:56:48	12170	411.7266	1354.1565	03/22/08	18:46:48	12170	362.5313	1298.2502	03/13/08	23:06:48	12180	413.0235	1351.8440	03/22/08	18:56:48	12180	364.4844	1296.5940
03/13/08	23:16:48	12190	410.4454	1356.4690	03/22/08	19:06:48	12190	363.6719	1301.4377	03/13/08	23:26:48	12200	413.1094	1351.4065	03/22/08	19:16:48	12200	362.5313	1305.4690
03/13/08	23:36:48	12210	413.0235	1357.5315	03/22/08	19:26:48	12210	359.4297	1310.1252	03/13/08	23:46:48	12220	409.1485	1344.3440	03/22/08	19:36:48	12220	363.5626	1312.1877
03/13/08	23:56:48	12230	412.0782	1363.2815	03/22/08	19:46:48	12230	363.0469	1310.6252	03/14/08	00:06:48	12240	410.0157	1358.1252	03/22/08	19:56:48	12240	362.9376	1305.8752
03/14/08	00:16:48	12250	410.9610	1344.5940	03/22/08	20:06:48	12250	361.9063	1311.5627										

Date/Time mm/dd/yy	Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM	Date/Time mm/dd/yy		Elapsed Time Minutes	Influent Flow SCFM	Effluent Flow SCFM
				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss				hh:mm:ss	hh:mm:ss			
03/14/08	00:26:48	12260	414.2266	1361.2815	03/22/08	20:16:48	12260	362.0157	1318.3752									
03/14/08	00:36:48	12270	411.5626	1355.5315	03/22/08	20:26:48	12270	364.7032	1304.5315									
03/14/08	00:46:48	12280	411.5626	1360.6877	03/22/08	20:36:48	12280	366.7657	1325.1877									
03/14/08	00:56:48	12290	414.5782	1353.3752	03/22/08	20:46:48	12290	363.6719	1307.6252									
03/14/08	01:06:48	12300	411.6407	1348.9065	03/22/08	20:56:48	12300	365.7344	1281.3440									
03/14/08	01:16:48	12310	411.4766	1357.5315	03/22/08	21:06:48	12310	362.1251	1300.9377									
03/14/08	01:26:48	12320	410.4454	1355.9690	03/22/08	21:16:48	12320	366.0313	1295.0315									
03/14/08	01:36:48	12330	410.0938	1354.5627	03/22/08	21:26:48	12330	359.0313	1305.0627									
03/14/08	01:46:48	12340	410.0938	1365.4065	03/22/08	21:36:48	12340	366.0313	1306.4065									
03/14/08	01:56:48	12350	414.6563	1368.4377	03/22/08	21:46:48	12350	362.5313	1314.7502									
03/14/08	02:06:48	12360	411.5626	1357.0627	03/22/08	21:56:48	12360	363.5626	1308.5627									
03/14/08	02:16:48	12370	412.6719	1363.8752	03/22/08	22:06:48	12370	362.4219	1307.4377									
03/14/08	02:26:48	12380	411.0469	1364.8127	03/22/08	22:16:48	12380	366.1407	1317.3440									
03/14/08	02:36:48	12390	407.9454	1364.3127	03/22/08	22:26:48	12390	363.1563	1306.0940									
03/14/08	02:46:48	12400	412.5938	1355.0002	03/22/08	22:36:48	12400	366.6563	1322.5002									
03/14/08	02:56:48	12410	412.5938	1368.9377	03/22/08	22:46:48	12410	368.7266	1309.0940									
03/14/08	03:06:48	12420	410.5313	1368.9377	03/22/08	22:56:48	12420	363.6719	1304.0315									
03/14/08	03:16:48	12430	414.7422	1370.5627	03/22/08	23:06:48	12430	371.7110	1314.6565									
03/14/08	03:26:48	12440	411.4766	1363.7190	03/22/08	23:16:48	12440	363.6719	1307.1252									
03/14/08	03:36:48	12450	414.5782	1363.1877	03/22/08	23:26:48	12450	369.2422	1309.5940									
03/14/08	03:46:48	12460	418.1094	1368.8127	03/22/08	23:36:48	12460	366.5469	1299.1565									
03/14/08	03:56:48	12470	413.0235	1360.6252	03/22/08	23:46:48	12470	366.7657	1311.2502									
03/14/08	04:06:48	12480	413.5469	1365.7815	03/22/08	23:56:48	12480	364.0782	1310.1252									
03/14/08	04:16:48	12490	413.5469	1351.8440	03/23/08	00:06:48	12490	366.5469	1311.5627									
03/14/08	04:26:48	12500	414.5782	1367.3127	03/23/08	00:16:48	12500	365.5157	1316.7190									
03/14/08	04:36:48	12510	417.6719	1360.0940	03/23/08	00:26:48	12510	368.2032	1330.2502									
03/14/08	04:46:48	12520	416.7188	1367.4065	03/23/08	00:36:48	12520	370.8907	1320.5315									
	208.7				03/23/08	00:46:48	12530	363.5626	1311.1565									
					03/23/08	00:56:48	12540	369.1329	1318.2815									
					03/23/08	01:06:48	12550	370.3751	1325.6877									
					03/23/08	01:16:48	12560	366.1407	1331.2815									
					03/23/08	01:26:48	12570	369.2422	1316.8127									
					03/23/08	01:36:48	12580	372.2344	1307.4377									
					03/23/08	01:46:48	12590	362.0157	1324.0315									
					03/23/08	01:56:48	12600	368.6172	1313.0940									
					03/23/08	02:06:48	12610	367.7969	1311.7502									
					03/23/08	02:16:48	12620	366.5469	1330.1565									
					03/23/08	02:26:48	12630	371.7110	1328.0940									
					03/23/08	02:36:48	12640	371.7110	1313.6252									
					03/23/08	02:46:48	12650	368.7266	1310.1252									
					03/23/08	02:56:48	12660	370.1641	1344.0940									
					03/23/08	03:06:48	12670	373.8829	1335.4065									
					03/23/08	03:16:48	12680	364.7032	1315.8752									
					03/													

## Flow Rates for March 2008 - 1st Quarter 2008

## SVE Remedial Action

Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
								03/23/08 04:26:48	12750	369.3438	1311.7502				
								03/23/08 04:36:48	12760	366.5469	1308.4690				
								03/23/08 04:46:48	12770	373.2657	1315.6877				
								03/23/08 04:56:48	12780	366.6563	1318.8752				
								03/23/08 05:06:48	12790	368.1016	1302.2502				
								03/23/08 05:16:48	12800	359.4297	1319.4065				
								03/23/08 05:26:48	12810	359.3204	1318.7815				
								03/23/08 05:36:48	12820	360.2422	1320.2502				
								03/23/08 05:46:48	12830	361.5001	1351.9065				
								03/23/08 05:56:48	12840	360.0626	1313.3127				
								03/23/08 06:06:48	12850	359.9454	1324.5627				
								03/23/08 06:16:48	12860	362.1251	1321.0627				
								03/23/08 06:26:48	12870	357.3672	1315.7815				
								03/23/08 06:36:48	12880	366.5469	1321.8752				
								03/23/08 06:46:48	12890	376.4610	1304.9377				
								03/23/08 06:56:48	12900	373.8829	1312.1877				
								03/23/08 07:06:48	12910	367.2813	1319.5002				
								03/23/08 07:16:48	12920	374.9141	1325.0940				
								03/23/08 07:26:48	12930	380.4922	1325.5002				
								03/23/08 07:36:48	12940	374.9141	1325.0940				
								03/23/08 07:46:48	12950	371.7110	1316.2190				
								03/23/08 07:56:48	12960	378.4297	1327.0627				
								03/23/08 08:06:48	12970	368.8282	1301.9690				
								03/23/08 08:16:48	12980	375.9454	1308.0315				
								03/23/08 08:26:48	12990	373.8829	1316.8127				
								03/23/08 08:36:48	13000	378.9454	1304.3127				
								03/23/08 08:46:48	13010	373.9844	1309.6877				
								03/23/08 08:56:48	13020	379.4610	1307.9377				
								03/23/08 09:06:48	13030	379.6641	1311.2502				
								03/23/08 09:16:48	13040	375.1251	1306.1877				
								03/23/08 09:26:48	13050	377.5001	1294.1252				
								03/23/08 09:36:48	13060	376.4610	1299.2815				
								03/23/08 09:46:48	13070	374.5001	1306.0940				
								03/23/08 09:56:48	13080	373.4688	1277.1877				
								03/23/08 10:06:48	13090	373.3672	1291.5315				
								03/23/08 10:16:48	13100	373.8829	1292.5627				
								03/23/08 10:26:48	13110	368.8282	1299.3752				
								03/23/08 10:36:48	13120	371.3047	1310.1252				
								03/23/08 10:46:48	13130	368.1016	1308.4690				
								03/23/08 10:56:48	13140	371.3047	1300.3127				
								03/23/08 11:06:48	13150	365.8438	1282.4690				
								03/23/08 11:16:48	13160	366.6563	1290.5002				
								03/23/08 11:26:48	13170	368.2032	1292.5627				
								03/23/08 11:36:48	13180	365.7344	1308.6565				
								03/23/08 11:46:48	13190	368.1016	1282.6252				
								03/23/08 11:56:48	13200	369.2422	1286.3752				
								03/23/08 12:06:48	13210	371.4063	1304.5315				
								03/23/08 12:16:48	13220	364.7032	1289.5940				
								03/23/08 12:26:48	13230	369.2422	1292.5627				

## Flow Rates for March 2008 - 1st Quarter 2008

## SVE Remedial Action

Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
								03/23/08 12:36:48	13240	363.6719	1278.2190				
								03/23/08 12:46:48	13250	367.2813	1301.4377				
								03/23/08 12:56:48	13260	370.7891	1284.3127				
								03/23/08 13:06:48	13270	365.6251	1295.1565				
								03/23/08 13:16:48	13280	369.7579	1275.0002				
								03/23/08 13:26:48	13290	366.2501	1282.8752				
								03/23/08 13:36:48	13300	362.5313	1277.0940				
								03/23/08 13:46:48	13310	363.6719	1296.2815				
								03/23/08 13:56:48	13320	365.1094	1274.5002				
								03/23/08 14:06:48	13330	364.7032	1281.3440				
								03/23/08 14:16:48	13340	365.2188	1273.5940				
								03/23/08 14:26:48	13350	364.1876	1277.1877				
								03/23/08 14:36:48	13360	365.6251	1279.6565				
								03/23/08 14:46:48	13370	366.6563	1275.0002				
								03/23/08 14:56:48	13380	361.6094	1269.4690				
								03/23/08 15:06:48	13390	364.0782	1287.4065				
								03/23/08 15:16:48	13400	364.7032	1277.7190				
								03/23/08 15:26:48	13410	364.5938	1278.1252				
								03/23/08 15:36:48	13420	365.1094	1283.2815				
								03/23/08 15:46:48	13430	363.6719	1280.3127				
								03/23/08 15:56:48	13440	361.5001	1294.1252				
								03/23/08 16:06:48	13450	366.0313	1281.0940				
								03/23/08 16:16:48	13460	366.2501	1289.0627				
								03/23/08 16:26:48	13470	367.0704	1285.7502				
								03/23/08 16:36:48	13480	364.1876	1302.4690				
								03/23/08 16:46:48	13490	363.4532	1299.1565				
								03/23/08 16:56:48	13500	366.1407	1285.8440				
								03/23/08 17:06:48	13510	361.5001	1284.3127				
								03/23/08 17:16:48	13520	359.9454	1278.6252				
								03/23/08 17:26:48	13530	361.9063	1292.9690				
								03/23/08 17:36:48	13540	363.6719	1290.6252				
								03/23/08 17:46:48	13550	359.4297	1296.6877				
								03/23/08 17:56:48	13560	368.2032	1300.3127				
								03/23/08 18:06:48	13570	358.0001	1296.8127				
								03/23/08 18:16:48	13580	365.0001	1300.7190				
								03/23/08 18:26:48	13590	363.2657	1287.6252				
								03/23/08 18:36:48	13600	364.0782	1296.1877				
								03/23/08 18:46:48	13610	363.0469	1300.8127				
								03/23/08 18:56:48	13620	363.6719	1294.7502				
								03/23/08 19:06:48	13630	363.1563	1300.9377				
								03/23/08 19:16:48	13640	363.2657	1298.9690				
								03/23/08 19:26:48	13650	366.1407	1292.5627				
								03/23/08 19:36:48	13660	361.0938	1299.3752				
								03/23/08 19:46:48	13670	365.1094	1297.2190				
								03/23/08 19:56:48	13680	365.6251	1297.7190				
								03/23/08 20:06:48	13690	366.6563	1300.3127				
								03/23/08 20:16:48	13700	369.7579	1300.3127				
								03/23/08 20:26:48	13710	364.2969	1291.2502				
								03/23/08 20:36:48	13720	367.9063	1287.6252				

## Flow Rates for March 2008 - 1st Quarter 2008

## SVE Remedial Action

Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM
								03/23/08 20:46:48	13730	366.5469	1302.7815				
								03/23/08 20:56:48	13740	365.1094	1294.6252				
								03/23/08 21:06:48	13750	362.0157	1294.6252				
								03/23/08 21:16:48	13760	365.6251	1293.5940				
								03/23/08 21:26:48	13770	362.1251	1287.5315				
								03/23/08 21:36:48	13780	365.1094	1293.5940				
								03/23/08 21:46:48	13790	363.6719	1307.6252				
								03/23/08 21:56:48	13800	365.0001	1310.5315				
								03/23/08 22:06:48	13810	364.4844	1317.2502				
								03/23/08 22:16:48	13820	366.1407	1322.5002				
								03/23/08 22:26:48	13830	367.1719	1309.5940				
								03/23/08 22:36:48	13840	366.1407	1315.7815				
								03/23/08 22:46:48	13850	360.0626	1317.9377				
								03/23/08 22:56:48	13860	365.1094	1306.5002				
								03/23/08 23:06:48	13870	364.0782	1315.2815				
								03/23/08 23:16:48	13880	364.5938	1324.5627				
								03/23/08 23:26:48	13890	368.2032	1313.2190				
								03/23/08 23:36:48	13900	368.1016	1307.9377				
								03/23/08 23:46:48	13910	367.4766	1318.1565				
								03/23/08 23:56:48	13920	364.0782	1320.4377				
								03/24/08 00:06:48	13930	368.2032	1331.7815				
								03/24/08 00:16:48	13940	371.3047	1316.3127				
								03/24/08 00:26:48	13950	369.3438	1307.6252				
								03/24/08 00:36:48	13960	373.8829	1301.3440				
								03/24/08 00:46:48	13970	372.3360	1313.2190				
								03/24/08 00:56:48	13980	371.7110	1329.6252				
								03/24/08 01:06:48	13990	370.7891	1319.4065				
								03/24/08 01:16:48	14000	377.0860	1316.4065				
								03/24/08 01:26:48	14010	371.8204	1313.7190				
								03/24/08 01:36:48	14020	369.6485	1319.8127				
								03/24/08 01:46:48	14030	372.9532	1309.6877				
								03/24/08 01:56:48	14040	369.6485	1323.9377				
								03/24/08 02:06:48	14050	372.8516	1334.3752				
								03/24/08 02:16:48	14060	376.4610	1333.3440				
								03/24/08 02:26:48	14070	377.2969	1324.3752				
								03/24/08 02:36:48	14080	369.6485	1327.5627				
								03/24/08 02:46:48	14090	375.3282	1305.8752				
								03/24/08 02:56:48	14100	375.8438	1328.5940				
								03/24/08 03:06:48	14110	376.5704	1311.7502				
								03/24/08 03:16:48	14120	371.3047	1330.2502				
								03/24/08 03:26:48	14130	372.7501	1332.7190				
								03/24/08 03:36:48	14140	373.3672	1324.5627				
								03/24/08 03:46:48	14150	372.4376	1327.7502				
								03/24/08 03:56:48	14160	374.2969	1336.3440				
								03/24/08 04:06:48	14170	374.8126	1311.0315				
								03/24/08 04:16:48	14180	366.5469	1318.2815				
								03/24/08 04:26:48	14190	366.0313	1300.1877				
								03/24/08 04:36:48	14200	361.9063	1308.9690				
								03/24/08 04:46:48	14210	365.5157	1322.9065				

## Flow Rates for March 2008 - 1st Quarter 2008

## SVE Remedial Action

Montrose Chemical Corporation, Henderson, Nevada

Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	Date/Time	Elapsed Time	Influent Flow	Effluent Flow	
mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	mm/dd/yy hh:mm:ss	Minutes	SCFM	SCFM	
								03/24/08 04:56:48	14220	368.6172	1321.3752					
								03/24/08 05:06:48	14230	358.0001	1297.8440					
								03/24/08 05:16:48	14240	364.1876	1310.2190					
								03/24/08 05:26:48	14250	366.0313	1330.6565					
								03/24/08 05:36:48	14260	359.4297	1310.6252					
								03/24/08 05:46:48	14270	363.2657	1315.4690					
								03/24/08 05:56:48	14280	367.6876	1313.2190					
								03/24/08 06:06:48	14290	367.1719	1313.7190					
								03/24/08 06:16:48	14300	360.8672	1308.9690					
								03/24/08 06:26:48	14310	364.7032	1317.9377					
								03/24/08 06:36:48	14320	365.0001	1312.5940					
								03/24/08 06:46:48	14330	366.7657	1310.2190					
								03/24/08 06:56:48	14340	371.8204	1309.0940					
								03/24/08 07:06:48	14350	367.9063	1310.3127					
								03/24/08 07:16:48	14360	372.5469	1302.5940					
								03/24/08 07:26:48	14370	370.6797	1307.9377					
										239.5						
											352.5345	1266.1552				

February 8, 2008



FL Cert #E87847/LA Cert #04140

EPA Method TO14A/TO15  
EPA Method TO3  
RSK-175  
EPA Method 25C/3C

Earth Tech  
ATTN: Brian Dean  
300 Oceangate, Suite 700  
Long Beach, CA 90802

#### LABORATORY TEST RESULTS

Project Reference: Montrose Henderson, 99697.01  
Lab Number: A8012401-01/02

Enclosed are results for a sample(s) received on 1/24/08 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Staci Herring on 2/05/08.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink that appears to read "Mark Johnson".

Mark Johnson  
Operations Manager  
[MJohnson@AirTechLabs.com](mailto:MJohnson@AirTechLabs.com)

Enclosures

Note: The cover letter is an integral part of this analytical report.

Project Name: <i>Mortgage Lender</i>		Method of Transport		Sample Condition Upon Receipt	
Project #: <i>96697-01</i>	P.O. #: <i>96697-01</i>	Walk-In	<input type="checkbox"/> 1. CHILLED	<input type="checkbox"/> Y	<input type="checkbox"/> N
		Courier	<input type="checkbox"/> 2. HEADSPACE (VOA)	<input type="checkbox"/> Y	<input type="checkbox"/> N
		UPS	<input type="checkbox"/> 3. CONTAINER INTACT	<input type="checkbox"/> Y	<input type="checkbox"/> N
		FedEx	<input type="checkbox"/> 4. PRESERVED	<input type="checkbox"/> Y	<input type="checkbox"/> N
		ATL			
Company: <i>Eddie Bices</i>		Address: <i>300 Oceanic #700</i>	Date: <i>1/23/08</i>	Received By: <i>STEVEN VANCE</i>	Time: <i>1200</i>
Contact: <i>Brian Dean</i>		City: <i>Lake Forest</i>	State: <i>CA</i>	Zip Code: <i>92630</i>	TEL: <i>(714) 479-4654</i>
Samples Relinquished by: (Signature and Printed Name) <i>Eddie Bices</i>		Received By: (Signature and Printed Name) <i>STEVEN VANCE</i>	Date: <i>1/24/08</i>	Time: <i>1210</i>	Received By: (Signature and Printed Name) <i>STEVEN VANCE</i>
Reinquished by: (Signature and Printed Name) <i>STEVEN VANCE</i>		Received By: (Signature and Printed Name) <i>STEVEN VANCE</i>	Date: <i>1/24/08</i>	Time: <i>1210</i>	Received By: (Signature and Printed Name) <i>STEVEN VANCE</i>
Reinquished by: (Signature and Printed Name) <i>Frederick</i>		Received By: (Signature and Printed Name) <i>Frederick</i>	Date: <i>1/24/08</i>	Time: <i>1210</i>	Received By: (Signature and Printed Name) <i>Frederick</i>
Special Instructions/Comments: <i>Results w PPM</i>					
I hereby authorize ATL to perform the work indicated below:		Send Report To:	Bill To:		
<i>Eddie Bices 1/23/08</i>		Attn: <i>Eddie Bices</i>	Alt: <i>- James</i>		
Project No./Submitter (Print Name) <i>Eddie</i>		Co: _____	Address: _____		
Date: <i>1/23/08</i>		City: <i>Lake Forest</i>	State: <i>CA</i>		
Signature: <i>Eddie Bices</i>		City: <i>Lake Forest</i>	State: <i>CA</i>		
Unless otherwise requested, all samples will be disposed 14 days after reporting or at Lab's discretion.		* \$10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.			
LAB USE ONLY					
Lab No.	Sample I.D.	Date	Time	Sample Description	
A8012401-01	INF West	1/23/08	1010		
J-02	Effluent	1/23/08	1000		

Client: Earth Tech  
Attn: Brian Dean

Page 2 of 6  
A8012401

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 01/24/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8012401-01	A8012401-02							
Client Sample I.D.:	Influent	Effluent							
Date Sampled:	01/23/08	01/23/08							
Date Analyzed:	02/02/08	02/02/08							
QC Batch No:	080201MS2A1	080201MS2A1							
Analyst Initials:	VM	VM							
Dilution Factor:	5,800	1.8							
ANALYTE	PQL	Result	RL	Result	RL				
Dichlorodifluoromethane (12)	0.0010	ND	5.8	ND	0.0018				
Chloromethane	0.0020	ND	12	ND	0.0036				
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	5.8	ND	0.0018				
Vinyl Chloride	0.0010	ND	5.8	ND	0.0018				
Bromomethane	0.0010	ND	5.8	ND	0.0018				
Chloroethane	0.0010	ND	5.8	ND	0.0018				
Trichlorofluoromethane (11)	0.0010	ND	5.8	ND	0.0018				
1,1-Dichloroethene	0.0010	ND	5.8	ND	0.0018				
Carbon Disulfide	0.0050	ND	29	ND	0.0090				
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	5.8	ND	0.0018				
Acetone	0.0050	ND	29	ND	0.0090				
Methylene Chloride	0.0010	ND	5.8	ND	0.0018				
t-1,2-Dichloroethene	0.0010	ND	5.8	ND	0.0018				
1,1-Dichloroethane	0.0010	ND	5.8	ND	0.0018				
Vinyl Acetate	0.0050	ND	29	ND	0.0090				
c-1,2-Dichloroethene	0.0010	ND	5.8	ND	0.0018				
2-Butanone	0.0010	ND	5.8	ND	0.0018				
t-Butyl Methyl Ether	0.0010	ND	5.8	ND	0.0018				
Chloroform	0.0010	59	5.8	0.018	0.0018				
1,1,1-Trichloroethane	0.0010	ND	5.8	ND	0.0018				
Carbon Tetrachloride	0.0010	32	5.8	ND	0.0018				
Benzene	0.0010	190	5.8	0.0045	0.0018				
1,2-Dichloroethane	0.0010	ND	5.8	ND	0.0018				
Trichloroethene	0.0010	ND	5.8	ND	0.0018				
1,2-Dichloropropane	0.0010	ND	5.8	ND	0.0018				
Bromodichloromethane	0.0010	ND	5.8	ND	0.0018				
c-1,3-Dichloropropene	0.0010	ND	5.8	ND	0.0018				
4-Methyl-2-Pentanone	0.0010	ND	5.8	ND	0.0018				
Toluene	0.0010	ND	5.8	ND	0.0018				
t-1,3-Dichloropropene	0.0010	ND	5.8	ND	0.0018				
1,1,2-Trichloroethane	0.0010	ND	5.8	ND	0.0018				
Tetrachloroethene	0.0010	ND	5.8	ND	0.0018				
2-Hexanone	0.0010	ND	5.8	ND	0.0018				
Dibromochloromethane	0.0010	ND	5.8	ND	0.0018				
1,2-Dibromoethane	0.0010	ND	5.8	ND	0.0018				
Chlorobenzene	0.0010	630	5.8	0.011	0.0018				



Air TECHNOLOGY Laboratories, Inc.

page 1 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 3 of 6  
A8012401

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 01/24/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

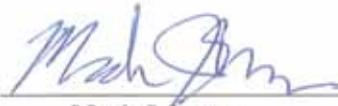
Lab No:	A8012401-01	A8012401-02					
Client Sample I.D.:	Influent	Effluent					
Date Sampled:	01/23/08	01/23/08					
Date Analyzed:	02/02/08	02/02/08					
QC Batch No:	080201MS2A1	080201MS2A1					
Analyst Initials:	VM	VM					
Dilution Factor:	5,800	1.8					
ANALYTE	PQL	Result	RL	Result	RL		
Ethylbenzene	0.0010	ND	5.8	ND	0.0018		
p,&m-Xylene	0.0010	ND	5.8	ND	0.0018		
o-Xylene	0.0010	ND	5.8	ND	0.0018		
Styrene	0.0010	ND	5.8	ND	0.0018		
Bromoform	0.0010	ND	5.8	ND	0.0018		
1,1,2,2-Tetrachloroethane	0.0020	ND	12	ND	0.0036		
Benzyl Chloride	0.0010	ND	5.8	ND	0.0018		
4-Ethyl Toluene	0.0010	ND	5.8	ND	0.0018		
1,3,5-Trimethylbenzene	0.0020	ND	12	ND	0.0036		
1,2,4-Trimethylbenzene	0.0020	ND	12	ND	0.0036		
1,3-Dichlorobenzene	0.0010	ND	5.8	ND	0.0018		
1,4-Dichlorobenzene	0.0010	57	5.8	0.0020	0.0018		
1,2-Dichlorobenzene	0.0010	27	5.8	ND	0.0018		
1,2,4-Trichlorobenzene	0.0020	ND	12	ND	0.0036		
Hexachlorobutadiene	0.0010	ND	5.8	ND	0.0018		
Cyclohexanone	0.0050	ND	29	ND	0.0090		

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Operations Manager

Date 2-5-08

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

page 2 of 2

Client: Earth Tech  
Attn: Brian Dean

**Client's Project:** Montrose-Henderson, 99697.01  
**Date Received:** 01/24/08  
**Matrix:** Air  
**Units:** ppmv

Page 4 of 6  
A8012401

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:



Date 2-5-08

The cover letter is an integral part of this analytical report.



QC Batch #: 080201MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	02/01/08		02/01/08	02/01/08							
Data File ID:	01FEB010.D		01FEB008.D	01FEB009.D							
Analyst Initials:	VM		VM	VM							
Dilution Factor:	0.2		1.0	1.0	Limits						
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail
1,1-Dichloroethene	0.0	10.0	9.4	94	10.0	100	5.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	9.6	96	3.6	70	130	30	Pass
Trichloroethene	0.0	10.0	9.5	95	9.0	90	5.4	70	130	30	Pass
Toluene	0.0	10.0	9.1	91	8.8	88	3.7	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	10.5	105	10.1	101	4.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

Date: 2-5-08

Mark Johnson  
Operations Manager

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose Henderson  
Project Number: 99697.01  
Date Received: 1/24/2008  
Matrix: Vapor

TNMOC by EPA METHOD 25C

Fixed Gases by EPA METHOD 3C

Lab Number:			A8012401-01		A8012401-02					
Client Sample ID:			INFLUENT		EFFLUENT					
Date Collected:			1/23/2008		1/23/2008					
Date Analyzed:			1/31/2008		1/31/2008					
Analyst Initials:			DT		DT					
QC Batch:			080131GC8A2		080131GC8A2					
Dilution Factor:			1.7		1.8					
ANALYTE	Units	PQL	Result	RL	Result	RL				
TNMOC uncorr* as Hexane	ppmv C	1.7	800	2.9	ND	3.1				
Nitrogen	% v/v	1.0	86	1.7	86	1.8				
Oxygen	% v/v	0.50	22	0.8	22	0.9				
Carbon Dioxide	% v/v	0.010	0.27	0.017	NA	0.018				
Methane	% v/v	0.0010	ND	0.0017	NA	0.0018				

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

NA = Nitrogen/moisture correction causes division by zero.

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 2-5-08

The cover letter is an integral part of this analytical report.



February 28, 2008



FL Cert #E87847/LA Cert #04140

EPA Method TO14A/TO15  
EPA Method TO3  
RSK-175  
EPA Method 25C/3C

Earth Tech  
ATTN: Brian Dean  
300 Oceangate, Suite 700  
Long Beach, CA 90802

#### LABORATORY TEST RESULTS

Project Reference: Montrose Henderson, 99697.01  
Lab Number: A8021901-01/02

Enclosed are results for a sample(s) received on 2/19/08 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

#### Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Brian Dean on 2/27/08.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
MJohnson@AirTechLabs.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

**CHAIN OF CUSTODY RECORD**

Client: Earth Tech  
Attn: Brian Dean

Page 2 of 7  
A8021901

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 02/19/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8021901-01		A8021901-02					
Client Sample I.D.:	Influent		Effluent					
Date Sampled:	02/18/08		02/18/08					
Date Analyzed:	02/26/08		02/22/08					
QC Batch No:	080226MS2A1		080222MS2A1					
Analyst Initials:	VM		VM					
Dilution Factor:	2,900		1.8					
ANALYTE	PQL	Result	RL	Result	RL			
Dichlorodifluoromethane (12)	0.0010	ND	2.9	ND	0.0018			
Chloromethane	0.0020	ND	5.8	ND	0.0036			
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	2.9	ND	0.0018			
Vinyl Chloride	0.0010	ND	2.9	ND	0.0018			
Bromomethane	0.0010	ND	2.9	ND	0.0018			
Chloroethane	0.0010	ND	2.9	ND	0.0018			
Trichlorofluoromethane (11)	0.0010	ND	2.9	ND	0.0018			
1,1-Dichloroethene	0.0010	ND	2.9	ND	0.0018			
Carbon Disulfide	0.0050	ND	15	ND	0.0090			
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	2.9	ND	0.0018			
Acetone	0.0050	ND	15	ND	0.0090			
Methylene Chloride	0.0010	ND	2.9	ND	0.0018			
t-1,2-Dichloroethene	0.0010	ND	2.9	ND	0.0018			
1,1-Dichloroethane	0.0010	ND	2.9	ND	0.0018			
Vinyl Acetate	0.0050	ND	15	ND	0.0090			
c-1,2-Dichloroethene	0.0010	ND	2.9	ND	0.0018			
2-Butanone	0.0010	ND	2.9	ND	0.0018			
t-Butyl Methyl Ether	0.0010	ND	2.9	ND	0.0018			
Chloroform	0.0010	28	2.9	0.016	0.0018			
1,1,1-Trichloroethane	0.0010	ND	2.9	ND	0.0018			
Carbon Tetrachloride	0.0010	14	2.9	0.0093	0.0018			
Benzene	0.0010	84	2.9	0.0033	0.0018			
1,2-Dichloroethane	0.0010	ND	2.9	ND	0.0018			
Trichloroethene	0.0010	ND	2.9	ND	0.0018			
1,2-Dichloropropane	0.0010	ND	2.9	ND	0.0018			
Bromodichloromethane	0.0010	ND	2.9	ND	0.0018			
c-1,3-Dichloropropene	0.0010	ND	2.9	ND	0.0018			
4-Methyl-2-Pentanone	0.0010	ND	2.9	ND	0.0018			
Toluene	0.0010	ND	2.9	ND	0.0018			
t-1,3-Dichloropropene	0.0010	ND	2.9	ND	0.0018			
1,1,2-Trichloroethane	0.0010	ND	2.9	ND	0.0018			
Tetrachloroethene	0.0010	ND	2.9	ND	0.0018			
2-Hexanone	0.0010	ND	2.9	ND	0.0018			
Dibromochloromethane	0.0010	ND	2.9	ND	0.0018			
1,2-Dibromoethane	0.0010	ND	2.9	ND	0.0018			
Chlorobenzene	0.0010	320	2.9	ND	0.0018			



page 1 of 2

Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Page 3 of 7  
A8021901

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 02/19/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8021901-01		A8021901-02					
Client Sample I.D.:	Influent		Effluent					
Date Sampled:	02/18/08		02/18/08					
Date Analyzed:	02/26/08		02/22/08					
QC Batch No:	080226MS2A1		080222MS2A1					
Analyst Initials:	VM		VM					
Dilution Factor:	2,900		1.8					
ANALYTE	PQL	Result	RL	Result	RL			
Ethylbenzene	0.0010	ND	2.9	ND	0.0018			
p,&m-Xylene	0.0010	ND	2.9	ND	0.0018			
o-Xylene	0.0010	ND	2.9	ND	0.0018			
Styrene	0.0010	ND	2.9	ND	0.0018			
Bromoform	0.0010	ND	2.9	ND	0.0018			
1,1,2,2-Tetrachloroethane	0.0020	ND	5.8	ND	0.0036			
Benzyl Chloride	0.0010	ND	2.9	ND	0.0018			
4-Ethyl Toluene	0.0010	ND	2.9	ND	0.0018			
1,3,5-Trimethylbenzene	0.0020	ND	5.8	ND	0.0036			
1,2,4-Trimethylbenzene	0.0020	ND	5.8	ND	0.0036			
1,3-Dichlorobenzene	0.0010	ND	2.9	ND	0.0018			
1,4-Dichlorobenzene	0.0010	33	2.9	ND	0.0018			
1,2-Dichlorobenzene	0.0010	17	2.9	ND	0.0018			
1,2,4-Trichlorobenzene	0.0020	ND	5.8	ND	0.0036			
Hexachlorobutadiene	0.0010	ND	2.9	ND	0.0018			
Cyclohexanone	0.0050	ND	15	ND	0.0090			

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:

  
Mark Johnson  
Operations Manager

Date 2-27-08

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 2 of 2

Client: Earth Tech  
Attn: Brian Dean

Client's Project: Montrose-Henderson, 99697.01

Date Received: 02/19/08

Matrix: Air

Units: ppmv

Page 4 of 7  
A8021901

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:

Mark Johnson

## Air Toxics Operations Manager

7-27-08

The cover letter is an integral part of this analytical report



QC Batch #: 080222MS2A1

Matrix: Air

EPA Method TO-14/TO-15																
Lab No:	Method Blank		LCS		LCSD		Limits									
Date Analyzed:	02/22/08		02/22/08		02/22/08											
Data File ID:	22FEB009.D		22FEB007.D		22FEB008.D											
Analyst Initials:	VM		VM		VM											
Dilution Factor:	0.2		1.0		1.0											
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail					
1,1-Dichloroethene	0.0	10.0	9.7	97	9.4	94	3.0	70	130	30	Pass					
Methylene Chloride	0.0	10.0	9.9	99	9.7	97	1.3	70	130	30	Pass					
Trichloroethene	0.0	10.0	9.6	96	9.2	92	4.3	70	130	30	Pass					
Toluene	0.0	10.0	9.5	95	9.0	90	4.9	70	130	30	Pass					
1,1,2,2-Tetrachloroethane	0.0	10.0	10.2	102	10.0	100	1.8	70	130	30	Pass					

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 2-27-08

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

QC Batch #: 080226MS2A1

Matrix: Air

EPA Method TO-14/TO-15																
Lab No: Date Analyzed: Data File ID: Analyst Initials: Dilution Factor:	Method Blank		LCS		LCSD		Limits									
	02/26/08		02/26/08		02/26/08											
	26FEB007.D		26FEB005.D		26FEB006.D											
	VM		VM		VM											
	0.2		1.0		1.0											
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail					
1,1-Dichloroethene	0.0	10.0	9.3	93	8.9	89	4.4	70	130	30	Pass					
Methylene Chloride	0.0	10.0	9.7	97	9.5	95	2.8	70	130	30	Pass					
Trichloroethene	0.0	10.0	9.5	95	9.1	91	3.8	70	130	30	Pass					
Toluene	0.0	10.0	12.2	122	9.4	94	25.6	70	130	30	Pass					
1,1,2,2-Tetrachloroethane	0.0	10.0	10.3	103	10.6	106	3.4	70	130	30	Pass					

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 2-27-08

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose Henderson  
Project Number: 99697.01  
Date Received: 2/18/2008  
Matrix: Vapor

TNMOC by EPA METHOD 25C

Fixed Gases by EPA METHOD 3C

Lab Number:			A8021901-01	A8021901-02								
Client Sample ID:			INFLUENT		EFFLUENT							
Date Collected:			2/18/2008		2/18/2008							
Date Analyzed:			2/22/2008		2/22/2008							
Analyst Initials:			DT		DT							
QC Batch:			080222GC8A1		080222GC8A1							
Dilution Factor:			1.7		1.8							
ANALYTE	Units	PQL	Result	RL	Result	RL						
TNMOC uncorr* as Hexane	ppmv C	1.7	480	2.9	ND	3.1						
Nitrogen	% v/v	1.0	82	1.7	82	1.8						
Oxygen	% v/v	0.50	20	0.8	21	0.9						
Carbon Dioxide	% v/v	0.010	0.34	0.017	NA	0.018						
Methane	% v/v	0.0010	ND	0.0017	NA	0.0018						

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

NA = Nitrogen/moisture correction causes division by zero.

Reviewed/Approved By:

Mark Johnson

Operations Manager

Date:

2-27-08

The cover letter is an integral part of this analytical report.



Air TECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

March 11, 2008



FL Cert #E87847/LA Cert #04140

EPA Method TO14A/TO15  
EPA Method TO3  
RSK-175  
EPA Method 25C/3C

Earth Tech  
ATTN: Brian Dean  
300 Oceangate, Suite 700  
Long Beach, CA 90802

### LABORATORY TEST RESULTS

Project Reference: Montrose Henderson, 99697.01  
Lab Number: A8030303-01

Enclosed are results for a sample(s) received on 3/03/08 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

#### Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Staci Herring on 3/10/08.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
[MJohnson@AirTechLabs.com](mailto:MJohnson@AirTechLabs.com)

Enclosures

Note: The cover letter is an integral part of this analytical report.



Client: Earth Tech  
Attn: Brian Dean

Page 2 of 6  
A8030303

Client's Project: Montrose-Henderson, 99697.01

Date Received: 03/03/08

Matrix: Air

Units: ppmv

EPA Method TO15

Lab No:	A8030303-01		
Client Sample I.D.:	Influent		
Date Sampled:	02/29/08		
Date Analyzed:	03/07/08		
QC Batch No:	080307MS2A1		
Analyst Initials:	VM		
Dilution Factor:	7,000		
ANALYTE	PQL	Result	RL
Dichlorodifluoromethane (12)	0.0010	ND	7.0
Chloromethane	0.0020	ND	14
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	7.0
Vinyl Chloride	0.0010	ND	7.0
Bromomethane	0.0010	ND	7.0
Chloroethane	0.0010	ND	7.0
Trichlorofluoromethane (11)	0.0010	ND	7.0
1,1-Dichloroethene	0.0010	ND	7.0
Carbon Disulfide	0.0050	ND	35
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	7.0
Acetone	0.0050	ND	35
Methylene Chloride	0.0010	ND	7.0
t-1,2-Dichloroethene	0.0010	ND	7.0
1,1-Dichloroethane	0.0010	ND	7.0
Vinyl Acetate	0.0050	ND	35
c-1,2-Dichloroethene	0.0010	ND	7.0
2-Butanone	0.0010	ND	7.0
t-Butyl Methyl Ether	0.0010	ND	7.0
Chloroform	0.0010	110	7.0
1,1,1-Trichloroethane	0.0010	ND	7.0
Carbon Tetrachloride	0.0010	60	7.0
Benzene	0.0010	370	7.0
1,2-Dichloroethane	0.0010	ND	7.0
Trichloroethene	0.0010	ND	7.0
1,2-Dichloropropane	0.0010	ND	7.0
Bromodichloromethane	0.0010	ND	7.0
c-1,3-Dichloropropene	0.0010	ND	7.0
4-Methyl-2-Pentanone	0.0010	ND	7.0
Toluene	0.0010	ND	7.0
t-1,3-Dichloropropene	0.0010	ND	7.0
1,1,2-Trichloroethane	0.0010	ND	7.0
Tetrachloroethene	0.0010	ND	7.0
2-Hexanone	0.0010	ND	7.0
Dibromochloromethane	0.0010	ND	7.0
1,2-Dibromoethane	0.0010	ND	7.0
Chlorobenzene	0.0010	1,400	7.0



Air TECHNOLOGY Laboratories, Inc.

page 1 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 3 of 6  
A8030303

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/03/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8030303-01		
Client Sample ID.:	Influent		
Date Sampled:	02/29/08		
Date Analyzed:	03/07/08		
QC Batch No:	080307MS2A1		
Analyst Initials:	VM		
Dilution Factor:	7,000		
ANALYTE	PQL	Result	RL
Ethylbenzene	0.0010	ND	7.0
p,&m-Xylene	0.0010	ND	7.0
o-Xylene	0.0010	ND	7.0
Styrene	0.0010	ND	7.0
Bromoform	0.0010	ND	7.0
1,1,2,2-Tetrachloroethane	0.0020	ND	14
Benzyl Chloride	0.0010	ND	7.0
4-Ethyl Toluene	0.0010	ND	7.0
1,3,5-Trimethylbenzene	0.0020	ND	14
1,2,4-Trimethylbenzene	0.0020	ND	14
1,3-Dichlorobenzene	0.0010	ND	7.0
1,4-Dichlorobenzene	0.0010	160	7.0
1,2-Dichlorobenzene	0.0010	80	7.0
1,2,4-Trichlorobenzene	0.0020	ND	14
Hexachlorobutadiene	0.0010	ND	7.0
Cyclohexanone	0.0050	ND	35

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By: Mark Johnson

Mark Johnson  
Operations Manager

Date 3-10-08

The cover letter is an integral part of this analytical report.



Air TECHNOLOGY Laboratories, Inc.

page 2 of 2

Client: Earth Tech  
Attn: Brian Dean

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/03/08  
Matrix: Air  
Units: ppmv

Page 4 of 6  
A8030303

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:

**Mark Johnson**  
Air Toxics Operations Manager

3-10-08

The cover letter is an integral part of this analytical report



QC Batch #: 080307MS2A1

Matrix: Air

EPA Method TO-14/TO-15												
Lab No:	Method Blank		LCS		LCSD			Limits				
	Date Analyzed:		03/07/08	03/07/08	03/07/08							
	Data File ID:		07MAR012.D	07MAR006.D	07MAR007.D							
	Analyst Initials:		VM	VM	VM							
	Dilution Factor:		0.2	1.0	1.0							
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail	
1,1-Dichloroethene	0.0	10.0	9.7	97	9.7	97	0.2	70	130	30	Pass	
Methylene Chloride	0.0	10.0	10.2	102	10.4	104	2.0	70	130	30	Pass	
Trichloroethene	0.0	10.0	9.5	95	9.7	97	1.9	70	130	30	Pass	
Toluene	0.0	10.0	9.2	92	9.3	93	0.7	70	130	30	Pass	
1,1,2,2-Tetrachloroethane	0.0	10.0	10.5	105	10.5	105	0.2	70	130	30	Pass	

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 3-10-08

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose Henderson  
Project Number: 99697.01  
Date Received: 3/3/2008  
Matrix: Vapor

TNMOC by EPA METHOD 25C  
Fixed Gases by EPA METHOD 3C

Lab Number:		A8030303-01									
Client Sample ID:		INFLUENT									
Date Collected:		2/29/2008									
Date Analyzed:		3/3/2008									
Analyst Initials:		DT									
QC Batch:		080303GC8A1									
Dilution Factor:		2.0									
ANALYTE	Units	PQL	Result	RL							
TNMOC uncorr* as Hexane	ppmv C	1.7	1,700	3.4							
Nitrogen	% v/v	1.0	78	2.0							
Oxygen	% v/v	0.50	20	1.0							
Carbon Dioxide	% v/v	0.010	1.1	0.020							
Methane	% v/v	0.0010	ND	0.0020							

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

NA = Nitrogen/moisture correction causes division by zero.

Reviewed/Approved By:   
Mark Johnson  
Operations Manager

Date: 3-10-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

March 28, 2008



FL Cert #E87847/LA Cert #04140

EPA Method TO14A/TO15  
EPA Method TO3  
RSK-175  
EPA Method 25C/3C

Earth Tech  
ATTN: Brian Dean  
300 Oceangate, Suite 700  
Long Beach, CA 90802

#### LABORATORY TEST RESULTS

Project Reference: Montrose Henderson, 99697.01  
Lab Number: A8032001-01/08

Enclosed are results for a sample(s) received on 3/20/08 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

#### Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Staci Herring and Eric Stikes on 3/27/08.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
[MJohnson@AirTechLabs.com](mailto:MJohnson@AirTechLabs.com)

Enclosures

Note: The cover letter is an integral part of this analytical report.



Client: Earth Tech  
Attn: Brian Dean

Page 2 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-01		A8032001-02		A8032001-03		A8032001-04		A8032001-05		
Client Sample ID.:	VEW1		VEW2		VEW3		VEW4		VEW4S		
Date Sampled:	03/19/08		03/19/08		03/19/08		03/19/08		03/19/08		
Date Analyzed:	03/25/08		03/25/08		03/25/08		03/26/08		03/27/08		
QC Batch No:	080325MS2A1		080325MS2A1		080325MS2A1		080325MS2A1		080326MS2A1		
Analyst Initials:	VM										
Dilution Factor:	670		3,700		3,700		3,100		300		
ANALYTE	PQL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chloromethane	0.0020	ND	1.3	ND	7.4	ND	7.4	ND	6.3	ND	0.59
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Vinyl Chloride	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Bromomethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Trichlorofluoromethane (11)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,1-Dichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Carbon Disulfide	0.0050	ND	3.4	ND	19	ND	19	ND	16	ND	1.5
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Acetone	0.0050	ND	3.4	ND	19	ND	19	ND	16	ND	1.5
Methylene Chloride	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
t-1,2-Dichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,1-Dichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Vinyl Acetate	0.0050	ND	3.4	ND	19	ND	19	ND	16	ND	1.5
c-1,2-Dichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
2-Butanone	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
t-Butyl Methyl Ether	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chloroform	0.0010	ND	0.67	7.8	3.7	11	3.7	7.1	3.1	3.7	0.30
1,1,1-Trichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Carbon Tetrachloride	0.0010	ND	0.67	ND	3.7	5.1	3.7	11	3.1	0.54	0.30
Benzene	0.0010	1.1	0.67	30	3.7	34	3.7	44	3.1	1.2	0.30
1,2-Dichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Trichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,2-Dichloropropane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Bromodichloromethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
c-1,3-Dichloropropene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
4-Methyl-2-Pentanone	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Toluene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
t-1,3-Dichloropropene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,1,2-Trichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Tetrachloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
2-Hexanone	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Dibromochloromethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,2-Dibromoethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chlorobenzene	0.0010	140	0.67	430	3.7	450	3.7	660	3.1	33	0.30



Air TECHNOLOGY Laboratories, Inc.

page 1 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 3 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-01	A8032001-02	A8032001-03	A8032001-04	A8032001-05
Client Sample I.D.:	VEW1	VEW2	VEW3	VEW4	VEW4S
Date Sampled:	03/19/08	03/19/08	03/19/08	03/19/08	03/19/08
Date Analyzed:	03/25/08	03/25/08	03/25/08	03/26/08	03/27/08
QC Batch No:	080325MS2A1	080325MS2A1	080325MS2A1	080325MS2A1	080326MS2A1
Analyst Initials:	VM	VM	VM	VM	VM
Dilution Factor:	670	3,700	3,700	3,100	300
ANALYTE	PQL	Result	RL	Result	RL
Ethylbenzene	0.0010	ND	0.67	ND	3.7
p,&m-Xylene	0.0010	ND	0.67	ND	3.7
o-Xylene	0.0010	ND	0.67	ND	3.7
Styrene	0.0010	ND	0.67	ND	3.7
Bromoform	0.0010	ND	0.67	ND	3.7
1,1,2,2-Tetrachloroethane	0.0020	ND	1.3	ND	7.4
Benzyl Chloride	0.0010	ND	0.67	ND	3.7
4-Ethyl Toluene	0.0010	ND	0.67	ND	3.7
1,3,5-Trimethylbenzene	0.0020	ND	1.3	ND	7.4
1,2,4-Trimethylbenzene	0.0020	ND	1.3	ND	7.4
1,3-Dichlorobenzene	0.0010	2.6	0.67	6.0	3.7
1,4-Dichlorobenzene	0.0010	67	0.67	160	3.7
1,2-Dichlorobenzene	0.0010	40	0.67	94	3.7
1,2,4-Trichlorobenzene	0.0020	ND	1.3	ND	7.4
Hexachlorobutadiene	0.0010	ND	0.67	ND	3.7
Cyclohexanone	0.0050	ND	3.4	ND	19

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Operations Manager

Date 3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

page 2 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 4 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-06	A8032001-07	A8032001-08			
Client Sample I.D.:	VEW5	VEW6	VEW7			
Date Sampled:	03/19/08	03/19/08	03/19/08			
Date Analyzed:	03/26/08	03/26/08	03/26/08			
QC Batch No:	080326MS2A1	080326MS2A1	080326MS2A1			
Analyst Initials:	VM	VM	VM			
Dilution Factor:	7,500	7,100	630			
ANALYTE	PQL	Result	RL	Result	RL	Result
Dichlorodifluoromethane (12)	0.0010	ND	7.5	ND	7.1	ND
Chloromethane	0.0020	ND	15	ND	14	ND
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	7.5	ND	7.1	ND
Vinyl Chloride	0.0010	ND	7.5	ND	7.1	ND
Bromomethane	0.0010	ND	7.5	ND	7.1	ND
Chloroethane	0.0010	ND	7.5	ND	7.1	ND
Trichlorofluoromethane (11)	0.0010	ND	7.5	ND	7.1	ND
1,1-Dichloroethene	0.0010	ND	7.5	ND	7.1	ND
Carbon Disulfide	0.0050	ND	37	ND	36	ND
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	7.5	ND	7.1	ND
Acetone	0.0050	ND	37	ND	36	ND
Methylene Chloride	0.0010	ND	7.5	ND	7.1	ND
t-1,2-Dichloroethene	0.0010	ND	7.5	ND	7.1	ND
1,1-Dichloroethane	0.0010	ND	7.5	ND	7.1	ND
Vinyl Acetate	0.0050	ND	37	ND	36	ND
c-1,2-Dichloroethene	0.0010	ND	7.5	ND	7.1	ND
2-Butanone	0.0010	ND	7.5	ND	7.1	ND
t-Butyl Methyl Ether	0.0010	ND	7.5	ND	7.1	ND
Chloroform	0.0010	820	7.5	120	7.1	2.6
1,1,1-Trichloroethane	0.0010	ND	7.5	ND	7.1	ND
Carbon Tetrachloride	0.0010	87	7.5	120	7.1	2.1
Benzene	0.0010	710	7.5	710	7.1	5.6
1,2-Dichloroethane	0.0010	ND	7.5	ND	7.1	ND
Trichloroethene	0.0010	ND	7.5	ND	7.1	ND
1,2-Dichloropropane	0.0010	ND	7.5	ND	7.1	ND
Bromodichloromethane	0.0010	ND	7.5	ND	7.1	ND
c-1,3-Dichloropropene	0.0010	ND	7.5	ND	7.1	ND
4-Methyl-2-Pentanone	0.0010	ND	7.5	ND	7.1	ND
Toluene	0.0010	ND	7.5	ND	7.1	ND
t-1,3-Dichloropropene	0.0010	ND	7.5	ND	7.1	ND
1,1,2-Trichloroethane	0.0010	ND	7.5	ND	7.1	ND
Tetrachloroethene	0.0010	ND	7.5	ND	7.1	ND
2-Hexanone	0.0010	ND	7.5	ND	7.1	ND
Dibromochloromethane	0.0010	ND	7.5	ND	7.1	ND
1,2-Dibromoethane	0.0010	ND	7.5	ND	7.1	ND
Chlorobenzene	0.0010	2,000	7.5	2,100	7.1	450



Air TECHNOLOGY Laboratories, Inc.

page 1 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 5 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-06	A8032001-07	A8032001-08				
Client Sample I.D.:	VEW5	VEW6	VEW7				
Date Sampled:	03/19/08	03/19/08	03/19/08				
Date Analyzed:	03/26/08	03/26/08	03/26/08				
QC Batch No:	080325MS2A1	080325MS2A1	080325MS2A1				
Analyst Initials:	VM	VM	VM				
Dilution Factor:	7,500	7,100	630				
ANALYTE	PQL	Result	RL	Result	RL	Result	RL
Ethylbenzene	0.0010	ND	7.5	ND	7.1	ND	0.63
p,&m-Xylene	0.0010	ND	7.5	ND	7.1	ND	0.63
o-Xylene	0.0010	ND	7.5	ND	7.1	ND	0.63
Styrene	0.0010	ND	7.5	ND	7.1	ND	0.63
Bromoform	0.0010	ND	7.5	ND	7.1	ND	0.63
1,1,2,2-Tetrachloroethane	0.0020	ND	15	ND	14	ND	1.3
Benzyl Chloride	0.0010	ND	7.5	ND	7.1	ND	0.63
4-Ethyl Toluene	0.0010	ND	7.5	ND	7.1	ND	0.63
1,3,5-Trimethylbenzene	0.0020	ND	15	ND	14	ND	1.3
1,2,4-Trimethylbenzene	0.0020	ND	15	ND	14	ND	1.3
1,3-Dichlorobenzene	0.0010	ND	7.5	ND	7.1	2.6	0.63
1,4-Dichlorobenzene	0.0010	57	7.5	94	7.1	65	0.63
1,2-Dichlorobenzene	0.0010	45	7.5	31	7.1	26	0.63
1,2,4-Trichlorobenzene	0.0020	ND	15	ND	14	ND	1.3
Hexachlorobutadiene	0.0010	ND	7.5	ND	7.1	ND	0.63
Cyclohexanone	0.0050	ND	37	ND	36	ND	3.2

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Operations Manager

Date 3-27-08

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 2 of 2

**Client:** Earth Tech  
**Attn:** Brian Dean

**Client's Project:** Montrose-Henderson, 99697.01  
**Date Received:** 03/20/08  
**Matrix:** Air  
**Units:** ppmv

Page 6 of 11  
A8032001

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:

Mark Johnson

## Air Toxics Operations Manager

Data

3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

**Client:** Earth Tech  
**Attn:** Brian Dean

**Client's Project: Montrose-Henderson, 99697.01**

Date Received: 03/20/08

### Matrix: Air

Units: ppmv

Page 7 of 11

A8032001

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:

Mark Johnson

## Air Toxics Operations Manager

Data

3-27-08

The cover letter is an integral part of this analytical report.



**AirTECHNOLOGY Laboratories, Inc.**

Page 1 of 1

**18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832**

QC Batch #: 080325MS2A1

Matrix: Air

EPA Method TO-14/TO-15												
Lab No:	Method Blank		LCS		LCSD		Limits					
Date Analyzed:	03/25/08		03/25/08	03/25/08	25MAR004.D	25MAR005.D						
Data File ID:	25MAR008.D		VM	VM	VM	VM						
Analyst Initials:	VM		1.0	1.0	1.0	1.0						
Dilution Factor:	0.2		Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD
1,1-Dichloroethene	0.0	10.0	7.9	79	8.1	81	2.0	70	130	30	Pass	
Methylene Chloride	0.0	10.0	8.6	86	8.4	84	2.1	70	130	30	Pass	
Trichloroethene	0.0	10.0	8.4	84	8.4	84	0.2	70	130	30	Pass	
Toluene	0.0	10.0	10.0	100	8.5	85	16.4	70	130	30	Pass	
1,1,2,2-Tetrachloroethane	0.0	10.0	9.0	90	9.1	91	1.6	70	130	30	Pass	

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

QC Batch #: 080326MS2A1

Matrix: Air

## EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD			Limits								
			03/26/08	03/26/08	26MAR004.D	26MAR005.D		VM	VM	1.0	1.0	Low %Rec	High %Rec	Max. RPD	Pass/Fail	
Date Analyzed:	03/27/08		Analyst Initials:	VM	Dilution Factor:	0.2		Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD		
Data File ID:	26MAR025.D		Result ppbv	ppbv	Result ppbv	ppbv		8.1	10.0	8.3	81	8.4	83	3.0		
Analyst Initials:	VM		8.7		8.4			87		8.0	81	8.0	80	1.0		
Dilution Factor:	0.2		7.9		8.0			79		8.0	80	0.8	70	70		
1,1-Dichloroethene	0.0		9.1		9.1			91		9.1	91	0.9	70	130	30	Pass
Methylene Chloride	0.0															Pass
Trichloroethene	0.0															Pass
Toluene	0.0															Pass
1,1,2,2-Tetrachloroethane	0.0															Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose / Henderson  
Project Number: 99697.01  
Date Received: 3/20/2007  
Matrix: Vapor

TNMOC by EPA METHOD 25C

Fixed Gases by EPA METHOD 3C

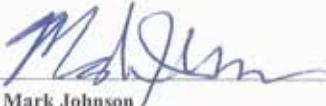
Lab Number:			A8032001-01		A8032001-02		A8032001-03		A8032001-04		A8032001-05	
Client Sample ID:			VEW 1		VEW 2		VEW 3		VEW 4		VEW 4S	
Date Collected:			3/19/2008		3/19/2008		3/19/2008		3/19/2008		3/19/2008	
Date Analyzed:			3/26/2008		3/26/2008		3/26/2008		3/26/2008		3/27/2008	
Analyst Initials:			DT									
QC Batch:			080326GC8A1		080326GC8A1		080326GC8A1		080326GC8A1		080327GC8A1	
Dilution Factor:			1.7		1.6		1.6		1.4		1.7	
ANALYTE	Units	PQL	Result	RL								
TNMOC uncorr* as Hexane	ppmv C	1.7	320	2.9	900	2.7	820	2.7	900	2.5	41	2.9
Nitrogen	% v/v	1.0	74	1.7	82	1.6	82	1.6	68	1.4	85	1.7
Oxygen	% v/v	0.50	20	0.84	23	0.79	23	0.79	26	0.72	21	0.84
Carbon Dioxide	% v/v	0.010	11	0.017	1.5	0.016	0.54	0.016	0.27	0.014	0.16	0.017
Methane	% v/v	0.0010	ND	0.0017	ND	0.0016	ND	0.0016	ND	0.0014	ND	0.0017

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

Reviewed/Approved By:   
Mark Johnson  
Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose / Henderson  
Project Number: 99697.01  
Date Received: 3/20/2007  
Matrix: Vapor

TNMOC by EPA METHOD 25C  
Fixed Gases by EPA METHOD 3C

Lab Number:			A8032001-06		A8032001-07		A8032001-08					
Client Sample ID:			VEW 5		VEW 6		VEW 7					
Date Collected:			3/19/2008		3/19/2008		3/19/2008					
Date Analyzed:			3/27/2008		3/27/2008		3/26/2008					
Analyst Initials:			DT		DT		DT					
QC Batch:			080327GC8A1		080327GC8A1		080326GC8A1					
Dilution Factor:			1.7		1.5		3.2					
ANALYTE	Units	PQL	Result	RL	Result	RL	Result	RL				
TNMOC uncorr* as Hexane	ppmv C	1.7	3,000*	14	2,800*	13	450	5.4				
Nitrogen	% v/v	1.0	82	1.7	79	1.5	89	3.2				
Oxygen	% v/v	0.50	21	0.84	24	0.77	22	1.6				
Carbon Dioxide	% v/v	0.010	0.71	0.017	0.31	0.015	0.25	0.032				
Methane	% v/v	0.0010	ND	0.0017	ND	0.0015	ND	0.0032				

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

\* Dilution Factor = 5.0

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

March 28, 2008



FL Cert #E87847/LA Cert #04140

EPA Method TO14A/TO15  
EPA Method TO3  
RSK-175  
EPA Method 25C/3C

Earth Tech  
ATTN: Brian Dean  
300 Oceangate, Suite 700  
Long Beach, CA 90802

#### LABORATORY TEST RESULTS

Project Reference: Montrose Henderson, 99697.01  
Lab Number: A8032001-01/08

Enclosed are results for a sample(s) received on 3/20/08 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

#### Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Staci Herring and Eric Stikes on 3/27/08.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
[MJohnson@AirTechLabs.com](mailto:MJohnson@AirTechLabs.com)

Enclosures

Note: The cover letter is an integral part of this analytical report.

<b>Project Name:</b> <u>Montrose Laboratories</u>		<b>FOR LABORATORY USE ONLY</b>		
		Sample Condition Upon Receipt		
<b>Method of Transport</b>	<input type="checkbox"/>	1. CHILLED	<input type="checkbox"/>	Y
Walk-in	<input type="checkbox"/>		N	<input type="checkbox"/>
Ground	<input type="checkbox"/>		4.	<input type="checkbox"/>
			SEALED	

18501 E. Gale Avenue, Suite 130 City of Industry, CA 91748 626-964-4032 • Fax: 626-964-5832		Project #: <u>A167.01</u>	P.O. #: <u>TE01</u>	Counter UPS FedEx ATL	Received By: (Signature and Printed Name)	2 HEADSPACE (NOA) Y □ N □ 5. # OF SPLS/MATCH COC Y □ N □	
Company: <u>Brian Dean</u> Contact: <u>Brian Dean</u>		Address: <u>300 OCEAN BREEZE #700</u>	City: <u>Ocean Beach</u>	State: <u>CA</u>	Zip Code: <u>92102</u>	3. CONTAINER INTACT Y □ N □ 6. PRESERVED Y □ N □	
Sampled/Relinquished by: (Signature and Printed Name) <u>Brian Dean</u>		Date: <u>3/19/08</u>	Time: <u>12:00</u>	Received By: (Signature and Printed Name)	Received By: (Signature and Printed Name) <u>STEVEN VILLENA-FUJIA</u>	TEL: ( <u>562) 951-2212</u> FAX: ( <u>562) 499-4054</u>	
Relinquished by: (Signature and Printed Name) <u>TE01</u>		Date: <u>3/20/08</u>	Time: <u>09:00</u>	Received By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date: <u>3/20/08</u> Time: <u>09:00</u>	
Relinquished by: (Signature and Printed Name) <u>TE01</u>		Date: <u>3/20/08</u>	Time: <u>09:00</u>	Received By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date: <u>3/20/08</u> Time: <u>09:00</u>	
I hereby authorize ATL to perform the work indicated below: <u>Steven Villena</u>		Send Report To: Attn: <u>Brian Dean</u> Co: <u>EBRU TECH</u>	Bill To: Attn: <u>Steve Ag</u> Co: _____	Special Instructions/Comments: <u>Results w PPM</u>			
Project Manager/Submitter (Print Name) <u>TE01</u>		Address: <u>300 OCEAN BREEZE #700</u>	Address: _____				
Signature		City: <u>Ocean Beach</u>	State: <u>CA</u>	Zip: <u>92102</u>	State: _____	Zip: _____	
Unless otherwise requested, all samples will be disposed 14 days after reporting or at Lab's discretion.		Circle or Add Analysis(es) Requested					
* \$10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.							
LAB USE ONLY							
Lab No.	Sample I.D.	Date	Time	Sample Description			
A5032001-01	Yew1	3/19/08	11:55				
-02	Yew2	3/19/08	10:20				
-03	Yew3	3/19/08	09:15				
-04	Yew4	3/19/08	10:00				
-05	Yew5	3/19/08	11:40				
-06	Yew5	3/19/08	09:45				
-07	Yew6	3/19/08	09:30				
-08	Yew7	3/19/08	11:30				
* TAT starts 8 a.m. following day if samples received after 5 p.m.							
Container Types:		TAT: A= <input checked="" type="checkbox"/> Overnight <input type="checkbox"/> 24 hr	B= <input checked="" type="checkbox"/> Emergency Next workday	C= <input checked="" type="checkbox"/> Critical 2 Workdays	D= <input checked="" type="checkbox"/> Urgent 3 Workdays	E= <input checked="" type="checkbox"/> Routine 7 Workdays	Preservatives: H=HCl N=None

Client: Earth Tech  
Attn: Brian Dean

Page 2 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-01		A8032001-02		A8032001-03		A8032001-04		A8032001-05		
Client Sample ID.:	VEW1		VEW2		VEW3		VEW4		VEW4S		
Date Sampled:	03/19/08		03/19/08		03/19/08		03/19/08		03/19/08		
Date Analyzed:	03/25/08		03/25/08		03/25/08		03/26/08		03/27/08		
QC Batch No:	080325MS2A1		080325MS2A1		080325MS2A1		080325MS2A1		080326MS2A1		
Analyst Initials:	VM										
Dilution Factor:	670		3,700		3,700		3,100		300		
ANALYTE	PQL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chloromethane	0.0020	ND	1.3	ND	7.4	ND	7.4	ND	6.3	ND	0.59
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Vinyl Chloride	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Bromomethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Trichlorofluoromethane (11)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,1-Dichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Carbon Disulfide	0.0050	ND	3.4	ND	19	ND	19	ND	16	ND	1.5
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Acetone	0.0050	ND	3.4	ND	19	ND	19	ND	16	ND	1.5
Methylene Chloride	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
t-1,2-Dichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,1-Dichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Vinyl Acetate	0.0050	ND	3.4	ND	19	ND	19	ND	16	ND	1.5
c-1,2-Dichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
2-Butanone	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
t-Butyl Methyl Ether	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chloroform	0.0010	ND	0.67	7.8	3.7	11	3.7	7.1	3.1	3.7	0.30
1,1,1-Trichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Carbon Tetrachloride	0.0010	ND	0.67	ND	3.7	5.1	3.7	11	3.1	0.54	0.30
Benzene	0.0010	1.1	0.67	30	3.7	34	3.7	44	3.1	1.2	0.30
1,2-Dichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Trichloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,2-Dichloropropane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Bromodichloromethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
c-1,3-Dichloropropene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
4-Methyl-2-Pentanone	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Toluene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
t-1,3-Dichloropropene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,1,2-Trichloroethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Tetrachloroethene	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
2-Hexanone	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Dibromochloromethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
1,2-Dibromoethane	0.0010	ND	0.67	ND	3.7	ND	3.7	ND	3.1	ND	0.30
Chlorobenzene	0.0010	140	0.67	430	3.7	450	3.7	660	3.1	33	0.30



Air TECHNOLOGY Laboratories, Inc.

page 1 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 3 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-01	A8032001-02	A8032001-03	A8032001-04	A8032001-05
Client Sample I.D.:	VEW1	VEW2	VEW3	VEW4	VEW4S
Date Sampled:	03/19/08	03/19/08	03/19/08	03/19/08	03/19/08
Date Analyzed:	03/25/08	03/25/08	03/25/08	03/26/08	03/27/08
QC Batch No:	080325MS2A1	080325MS2A1	080325MS2A1	080325MS2A1	080326MS2A1
Analyst Initials:	VM	VM	VM	VM	VM
Dilution Factor:	670	3,700	3,700	3,100	300
ANALYTE	PQL	Result	RL	Result	RL
Ethylbenzene	0.0010	ND	0.67	ND	3.7
p,&m-Xylene	0.0010	ND	0.67	ND	3.7
o-Xylene	0.0010	ND	0.67	ND	3.7
Styrene	0.0010	ND	0.67	ND	3.7
Bromoform	0.0010	ND	0.67	ND	3.7
1,1,2,2-Tetrachloroethane	0.0020	ND	1.3	ND	7.4
Benzyl Chloride	0.0010	ND	0.67	ND	3.7
4-Ethyl Toluene	0.0010	ND	0.67	ND	3.7
1,3,5-Trimethylbenzene	0.0020	ND	1.3	ND	7.4
1,2,4-Trimethylbenzene	0.0020	ND	1.3	ND	7.4
1,3-Dichlorobenzene	0.0010	2.6	0.67	6.0	3.7
1,4-Dichlorobenzene	0.0010	67	0.67	160	3.7
1,2-Dichlorobenzene	0.0010	40	0.67	94	3.7
1,2,4-Trichlorobenzene	0.0020	ND	1.3	ND	7.4
Hexachlorobutadiene	0.0010	ND	0.67	ND	3.7
Cyclohexanone	0.0050	ND	3.4	ND	19

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Operations Manager

Date 3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

page 2 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 4 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-06	A8032001-07	A8032001-08			
Client Sample I.D.:	VEW5	VEW6	VEW7			
Date Sampled:	03/19/08	03/19/08	03/19/08			
Date Analyzed:	03/26/08	03/26/08	03/26/08			
QC Batch No:	080326MS2A1	080326MS2A1	080326MS2A1			
Analyst Initials:	VM	VM	VM			
Dilution Factor:	7,500	7,100	630			
ANALYTE	PQL	Result	RL	Result	RL	Result
Dichlorodifluoromethane (12)	0.0010	ND	7.5	ND	7.1	ND
Chloromethane	0.0020	ND	15	ND	14	ND
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	7.5	ND	7.1	ND
Vinyl Chloride	0.0010	ND	7.5	ND	7.1	ND
Bromomethane	0.0010	ND	7.5	ND	7.1	ND
Chloroethane	0.0010	ND	7.5	ND	7.1	ND
Trichlorofluoromethane (11)	0.0010	ND	7.5	ND	7.1	ND
1,1-Dichloroethene	0.0010	ND	7.5	ND	7.1	ND
Carbon Disulfide	0.0050	ND	37	ND	36	ND
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	7.5	ND	7.1	ND
Acetone	0.0050	ND	37	ND	36	ND
Methylene Chloride	0.0010	ND	7.5	ND	7.1	ND
t-1,2-Dichloroethene	0.0010	ND	7.5	ND	7.1	ND
1,1-Dichloroethane	0.0010	ND	7.5	ND	7.1	ND
Vinyl Acetate	0.0050	ND	37	ND	36	ND
c-1,2-Dichloroethene	0.0010	ND	7.5	ND	7.1	ND
2-Butanone	0.0010	ND	7.5	ND	7.1	ND
t-Butyl Methyl Ether	0.0010	ND	7.5	ND	7.1	ND
Chloroform	0.0010	820	7.5	120	7.1	2.6
1,1,1-Trichloroethane	0.0010	ND	7.5	ND	7.1	ND
Carbon Tetrachloride	0.0010	87	7.5	120	7.1	2.1
Benzene	0.0010	710	7.5	710	7.1	5.6
1,2-Dichloroethane	0.0010	ND	7.5	ND	7.1	ND
Trichloroethene	0.0010	ND	7.5	ND	7.1	ND
1,2-Dichloropropane	0.0010	ND	7.5	ND	7.1	ND
Bromodichloromethane	0.0010	ND	7.5	ND	7.1	ND
c-1,3-Dichloropropene	0.0010	ND	7.5	ND	7.1	ND
4-Methyl-2-Pentanone	0.0010	ND	7.5	ND	7.1	ND
Toluene	0.0010	ND	7.5	ND	7.1	ND
t-1,3-Dichloropropene	0.0010	ND	7.5	ND	7.1	ND
1,1,2-Trichloroethane	0.0010	ND	7.5	ND	7.1	ND
Tetrachloroethene	0.0010	ND	7.5	ND	7.1	ND
2-Hexanone	0.0010	ND	7.5	ND	7.1	ND
Dibromochloromethane	0.0010	ND	7.5	ND	7.1	ND
1,2-Dibromoethane	0.0010	ND	7.5	ND	7.1	ND
Chlorobenzene	0.0010	2,000	7.5	2,100	7.1	450



Air TECHNOLOGY Laboratories, Inc.

page 1 of 2

Client: Earth Tech  
Attn: Brian Dean

Page 5 of 11  
A8032001

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032001-06	A8032001-07	A8032001-08				
Client Sample I.D.:	VEW5	VEW6	VEW7				
Date Sampled:	03/19/08	03/19/08	03/19/08				
Date Analyzed:	03/26/08	03/26/08	03/26/08				
QC Batch No:	080325MS2A1	080325MS2A1	080325MS2A1				
Analyst Initials:	VM	VM	VM				
Dilution Factor:	7,500	7,100	630				
ANALYTE	PQL	Result	RL	Result	RL	Result	RL
Ethylbenzene	0.0010	ND	7.5	ND	7.1	ND	0.63
p,&m-Xylene	0.0010	ND	7.5	ND	7.1	ND	0.63
o-Xylene	0.0010	ND	7.5	ND	7.1	ND	0.63
Styrene	0.0010	ND	7.5	ND	7.1	ND	0.63
Bromoform	0.0010	ND	7.5	ND	7.1	ND	0.63
1,1,2,2-Tetrachloroethane	0.0020	ND	15	ND	14	ND	1.3
Benzyl Chloride	0.0010	ND	7.5	ND	7.1	ND	0.63
4-Ethyl Toluene	0.0010	ND	7.5	ND	7.1	ND	0.63
1,3,5-Trimethylbenzene	0.0020	ND	15	ND	14	ND	1.3
1,2,4-Trimethylbenzene	0.0020	ND	15	ND	14	ND	1.3
1,3-Dichlorobenzene	0.0010	ND	7.5	ND	7.1	2.6	0.63
1,4-Dichlorobenzene	0.0010	57	7.5	94	7.1	65	0.63
1,2-Dichlorobenzene	0.0010	45	7.5	31	7.1	26	0.63
1,2,4-Trichlorobenzene	0.0020	ND	15	ND	14	ND	1.3
Hexachlorobutadiene	0.0010	ND	7.5	ND	7.1	ND	0.63
Cyclohexanone	0.0050	ND	37	ND	36	ND	3.2

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Operations Manager

Date 3-27-08

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 2 of 2

**Client:** Earth Tech  
**Attn:** Brian Dean

**Client's Project:** Montrose-Henderson, 99697.01  
**Date Received:** 03/20/08  
**Matrix:** Air  
**Units:** ppmv

Page 6 of 11  
A8032001

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:

Mark Johnson

#### Air Toxics Operations Manager

Data

3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

**Client:** Earth Tech  
**Attn:** Brian Dean

**Client's Project:** Montrose-Henderson, 99697.01

Date Received: 03/20/08

### **Matrix:              Air**

Units: ppmv

Page 7 of 11

A8032001

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Data

3-27-08

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**AirTECHNOLOGY Laboratories, Inc.**

Page 1 of 1

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

QC Batch #: 080325MS2A1

Matrix: Air

EPA Method TO-14/TO-15												
Lab No:	Method Blank		LCS		LCSD		Limits					
Date Analyzed:	03/25/08		03/25/08	03/25/08	25MAR004.D	25MAR005.D						
Data File ID:	25MAR008.D		VM	VM	VM	VM						
Analyst Initials:	VM		1.0	1.0	1.0	1.0						
Dilution Factor:	0.2		Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD
1,1-Dichloroethene	0.0	10.0	7.9	79	8.1	81	2.0	70	130	30	Pass	
Methylene Chloride	0.0	10.0	8.6	86	8.4	84	2.1	70	130	30	Pass	
Trichloroethene	0.0	10.0	8.4	84	8.4	84	0.2	70	130	30	Pass	
Toluene	0.0	10.0	10.0	100	8.5	85	16.4	70	130	30	Pass	
1,1,2,2-Tetrachloroethane	0.0	10.0	9.0	90	9.1	91	1.6	70	130	30	Pass	

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

QC Batch #: 080326MS2A1

Matrix: Air

## EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD			Limits								
			03/26/08	03/26/08	26MAR004.D	26MAR005.D		VM	VM	1.0	1.0	Low %Rec	High %Rec	Max. RPD	Pass/Fail	
Date Analyzed:	03/27/08		Analyst Initials:	VM	Dilution Factor:	0.2		Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD		
Data File ID:	26MAR025.D		Result ppbv	ppbv	Result ppbv	ppbv		8.1	10.0	8.3	81	8.4	83	3.0		
Analyst Initials:	VM		8.7		8.4			87		8.0	81	8.0	80	1.0		
Dilution Factor:	0.2		7.9		8.0			79		8.0	80	0.8	70	70		
1,1-Dichloroethene	0.0		9.1		9.1			91		9.1	91	0.9	70	130	30	Pass
Methylene Chloride	0.0															Pass
Trichloroethene	0.0															Pass
Toluene	0.0															Pass
1,1,2,2-Tetrachloroethane	0.0															Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose / Henderson  
Project Number: 99697.01  
Date Received: 3/20/2007  
Matrix: Vapor

TNMOC by EPA METHOD 25C  
Fixed Gases by EPA METHOD 3C

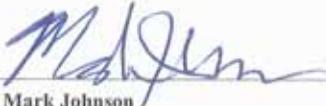
Lab Number:			A8032001-01		A8032001-02		A8032001-03		A8032001-04		A8032001-05	
Client Sample ID:			VEW 1		VEW 2		VEW 3		VEW 4		VEW 4S	
Date Collected:			3/19/2008		3/19/2008		3/19/2008		3/19/2008		3/19/2008	
Date Analyzed:			3/26/2008		3/26/2008		3/26/2008		3/26/2008		3/27/2008	
Analyst Initials:			DT									
QC Batch:			080326GC8A1		080326GC8A1		080326GC8A1		080326GC8A1		080327GC8A1	
Dilution Factor:			1.7		1.6		1.6		1.4		1.7	
ANALYTE	Units	PQL	Result	RL								
TNMOC uncorr* as Hexane	ppmv C	1.7	320	2.9	900	2.7	820	2.7	900	2.5	41	2.9
Nitrogen	% v/v	1.0	74	1.7	82	1.6	82	1.6	68	1.4	85	1.7
Oxygen	% v/v	0.50	20	0.84	23	0.79	23	0.79	26	0.72	21	0.84
Carbon Dioxide	% v/v	0.010	11	0.017	1.5	0.016	0.54	0.016	0.27	0.014	0.16	0.017
Methane	% v/v	0.0010	ND	0.0017	ND	0.0016	ND	0.0016	ND	0.0014	ND	0.0017

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

Reviewed/Approved By:   
Mark Johnson  
Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose / Henderson  
Project Number: 99697.01  
Date Received: 3/20/2007  
Matrix: Vapor

TNMOC by EPA METHOD 25C  
Fixed Gases by EPA METHOD 3C

Lab Number:			A8032001-06		A8032001-07		A8032001-08					
Client Sample ID:			VEW 5		VEW 6		VEW 7					
Date Collected:			3/19/2008		3/19/2008		3/19/2008					
Date Analyzed:			3/27/2008		3/27/2008		3/26/2008					
Analyst Initials:			DT		DT		DT					
QC Batch:			080327GC8A1		080327GC8A1		080326GC8A1					
Dilution Factor:			1.7		1.5		3.2					
ANALYTE	Units	PQL	Result	RL	Result	RL	Result	RL				
TNMOC uncorr* as Hexane	ppmv C	1.7	3,000*	14	2,800*	13	450	5.4				
Nitrogen	% v/v	1.0	82	1.7	79	1.5	89	3.2				
Oxygen	% v/v	0.50	21	0.84	24	0.77	22	1.6				
Carbon Dioxide	% v/v	0.010	0.71	0.017	0.31	0.015	0.25	0.032				
Methane	% v/v	0.0010	ND	0.0017	ND	0.0015	ND	0.0032				

ND = Not detected at or above reporting limit.

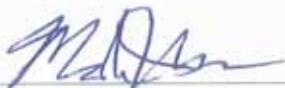
PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

\* Dilution Factor = 5.0

Reviewed/Approved By:



Mark Johnson

Operations Manager

Date: 3-27-08

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

March 28, 2008



FL Cert #E87847/LA Cert #04140

EPA Method TO14A/TO15  
EPA Method TO3  
RSK-175  
EPA Method 25C/3C

Earth Tech  
ATTN: Brian Dean  
300 Oceangate, Suite 700  
Long Beach, CA 90802

#### LABORATORY TEST RESULTS

Project Reference: Montrose Henderson, 99697.01  
Lab Number: A8032002-01/02

Enclosed are results for a sample(s) received on 3/20/08 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

#### Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Staci Herring and Eric Stikes on 3/27/08.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
MJohnson@AirTechLabs.com

Enclosures

Note: The cover letter is an integral part of this analytical report.

MOTIVATION

**CHAIN OF CUSTODY RECORD**



Mahatma Gandhi

*aboratories, Inc.*

18501 E. Gale Avenue, Suite 130  
City of Industry, CA 91748  
626-964-4032 • Fax: 626-964-5832

Company: Alpha Tech

Sampled/Relinquished by: Signature and Printed Name

Relinquished by: (Signature and Printed Name)  
Edna E.

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hereby authorize ATL to perform the work indicated below:

Endeavor 3/6

Digitized by srujanika@gmail.com

Unless otherwise  
Sample /

Lab  
 Other  
 Both

\* \$10,000

VOLUME 1

Lab No. 6

MF/ue

Page 02

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100

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111

- TAT and/or an following day if

samples received after 5 p.m.

Client: Earth Tech  
Attn: Brian Dean

Page 2 of 6  
A8032002

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032002-01	A8032002-02				
Client Sample I.D.:	Influent	Effluent				
Date Sampled:	03/19/08	03/19/08				
Date Analyzed:	03/21/08	03/20/08				
QC Batch No:	080320MS2A1	080320MS2A1				
Analyst Initials:	VM	VM				
Dilution Factor:	6,500	1.8				
ANALYTE	PQL	Result	RL	Result	RL	
Dichlorodifluoromethane (12)	0.0010	ND	6.5	ND	0.0018	
Chloromethane	0.0020	ND	13	ND	0.0036	
1,2-Cl-1,1,2,2-F ethane (114)	0.0010	ND	6.5	ND	0.0018	
Vinyl Chloride	0.0010	ND	6.5	ND	0.0018	
Bromomethane	0.0010	ND	6.5	ND	0.0018	
Chloroethane	0.0010	ND	6.5	ND	0.0018	
Trichlorofluoromethane (11)	0.0010	ND	6.5	ND	0.0018	
1,1-Dichloroethene	0.0010	ND	6.5	ND	0.0018	
Carbon Disulfide	0.0050	ND	32	ND	0.0090	
1,1,2-Cl 1,2,2-F ethane (113)	0.0010	ND	6.5	ND	0.0018	
Acetone	0.0050	ND	32	ND	0.0090	
Methylene Chloride	0.0010	ND	6.5	ND	0.0018	
t-1,2-Dichloroethene	0.0010	ND	6.5	ND	0.0018	
1,1-Dichloroethane	0.0010	ND	6.5	ND	0.0018	
Vinyl Acetate	0.0050	ND	32	ND	0.0090	
c-1,2-Dichloroethene	0.0010	ND	6.5	ND	0.0018	
2-Butanone	0.0010	ND	6.5	ND	0.0018	
t-Butyl Methyl Ether	0.0010	ND	6.5	ND	0.0018	
Chloroform	0.0010	86	6.5	0.0049	0.0018	
1,1,1-Trichloroethane	0.0010	ND	6.5	ND	0.0018	
Carbon Tetrachloride	0.0010	46	6.5	0.0023	0.0018	
Benzene	0.0010	280	6.5	0.0035	0.0018	
1,2-Dichloroethane	0.0010	ND	6.5	ND	0.0018	
Trichloroethene	0.0010	ND	6.5	ND	0.0018	
1,2-Dichloropropane	0.0010	ND	6.5	ND	0.0018	
Bromodichloromethane	0.0010	ND	6.5	ND	0.0018	
c-1,3-Dichloropropene	0.0010	ND	6.5	ND	0.0018	
4-Methyl-2-Pentanone	0.0010	ND	6.5	ND	0.0018	
Toluene	0.0010	ND	6.5	ND	0.0018	
t-1,3-Dichloropropene	0.0010	ND	6.5	ND	0.0018	
1,1,2-Trichloroethane	0.0010	ND	6.5	ND	0.0018	
Tetrachloroethene	0.0010	ND	6.5	ND	0.0018	
2-Hexanone	0.0010	ND	6.5	ND	0.0018	
Dibromochloromethane	0.0010	ND	6.5	ND	0.0018	
1,2-Dibromoethane	0.0010	ND	6.5	ND	0.0018	
Chlorobenzene	0.0010	1,100	6.5	0.029	0.0018	



page 1 of 2

Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Page 3 of 6  
A8032002

Client's Project: Montrose-Henderson, 99697.01  
Date Received: 03/20/08  
Matrix: Air  
Units: ppmv

EPA Method TO15

Lab No:	A8032002-01	A8032002-02				
Client Sample ID.:	Influent	Effluent				
Date Sampled:	03/19/08	03/19/08				
Date Analyzed:	03/21/08	03/20/08				
QC Batch No:	080320MS2A1	080320MS2A1				
Analyst Initials:	VM	VM				
Dilution Factor:	6,500	1.8				
ANALYTE	PQL	Result	RL	Result	RL	
Ethylbenzene	0.0010	ND	6.5	ND	0.0018	
p,&m-Xylene	0.0010	ND	6.5	ND	0.0018	
o-Xylene	0.0010	ND	6.5	ND	0.0018	
Styrene	0.0010	ND	6.5	ND	0.0018	
Bromoform	0.0010	ND	6.5	ND	0.0018	
1,1,2,2-Tetrachloroethane	0.0020	ND	13	ND	0.0036	
Benzyl Chloride	0.0010	ND	6.5	ND	0.0018	
4-Ethyl Toluene	0.0010	ND	6.5	ND	0.0018	
1,3,5-Trimethylbenzene	0.0020	ND	13	ND	0.0036	
1,2,4-Trimethylbenzene	0.0020	ND	13	ND	0.0036	
1,3-Dichlorobenzene	0.0010	ND	6.5	ND	0.0018	
1,4-Dichlorobenzene	0.0010	110	6.5	0.0051	0.0018	
1,2-Dichlorobenzene	0.0010	53	6.5	0.0028	0.0018	
1,2,4-Trichlorobenzene	0.0020	ND	13	ND	0.0036	
Hexachlorobutadiene	0.0010	ND	6.5	ND	0.0018	
Cyclohexanone	0.0050	ND	32	ND	0.0090	

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Operations Manager

Date 3-27-08

The cover letter is an integral part of this analytical report



AirTECHNOLOGY Laboratories, Inc.

page 2 of 2

Client: Earth Tech  
Attn: Brian Dean

**Client's Project:** Montrose-Henderson, 99697.01

Date Received: 03/20/08

### **Matrix: Air**

Units: ppmv

Page 4 of 6  
A8032002

EPA Method TO15 Tentatively Identified Compounds (Library Search)

RL = Reporting Limit.

Reviewed/Approved By:



Date 3-27-08

The cover letter is an integral part of this analytical report.



**AIR TECHNOLOGY** Laboratories, Inc.

Page 1 of 1

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

QC Batch #: 080320MS2A1

Matrix: Air

EPA Method TO-14/TO-15																
Lab No:	Method Blank		LCS		LCSD		Limits									
Date Analyzed:	03/20/08		03/20/08		03/20/08											
Data File ID:	20MAR009.D		20MAR007.D		20MAR008.D											
Analyst Initials:	VM		VM		VM											
Dilution Factor:	0.2		1.0		1.0											
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/Fail					
1,1-Dichloroethene	0.0	10.0	8.0	80	8.2	82	3.4	70	130	30	Pass					
Methylene Chloride	0.0	10.0	8.6	86	8.7	87	1.1	70	130	30	Pass					
Trichloroethene	0.0	10.0	8.2	82	8.3	83	1.2	70	130	30	Pass					
Toluene	0.0	10.0	8.0	80	8.1	81	1.2	70	130	30	Pass					
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	3.0	70	130	30	Pass					

RPD = Relative Percent Difference

Reviewed/Approved By:

Date: 3-27-08

Mark Johnson  
Operations Manager

The cover letter is an integral part of this analytical report



Air TECHNOLOGY Laboratories, Inc.

Client: Earth Tech  
Attn: Brian Dean

Project Name: Montrose / Henderson  
Project Number: 99697.01  
Date Received: 3/20/2008  
Matrix: Vapor

TNMOC by EPA METHOD 25C  
Fixed Gases by EPA METHOD 3C

Lab Number:			A8032002-01	A8032002-02								
Client Sample ID:			Influent		Effluent							
Date Collected:			3/19/2008		3/19/2008							
Date Analyzed:			3/26/2008		3/26/2008							
Analyst Initials:			DT		DT							
QC Batch:			080326GC8A1		080326GC8A1							
Dilution Factor:			1.9		1.8							
ANALYTE	Units	PQL	Result	RL	Result	RL						
TNMOC uncorr* as Hexane	ppmv C	1.7	1,400	3.2	ND	3.1						
Nitrogen	% v/v	1.0	85	1.9	84	1.8						
Oxygen	% v/v	0.50	22	0.94	22	0.90						
Carbon Dioxide	% v/v	0.010	1.1	0.019	NA	0.018						
Methane	% v/v	0.0010	ND	0.0019	NA	0.0018						

ND = Not detected at or above reporting limit.

PQL = Practical Quantitation Limit.

TNMOC = Total Non-Methane Organic Carbon.

TNMOC uncorr\* = TNMOC concentration in sample without nitrogen/moisture correction.

NA = Nitrogen/moisture correction causes division by zero.

Reviewed/Approved By:



Date:

3-27-08

Mark Johnson

Operations Manager

The cover letter is an integral part of this analytical report.



AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Avenue, Suite 130 • City of Industry, CA 91748 • Ph: (626) 964-4032 • Fx: (626) 964-5832

## **APPENDIX C**

**First Quarter of 2008**

**Mass Removal Calculations**

**Soil Vapor Flow Rate Calculations  
for Vapor Extraction Wells**

**Table C-1**  
**Mass Removal Calculations January 2008 - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 1 - GENERAL EQUATIONS**

$$\text{Where: } M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times D_{stp} \quad \text{Equation 1}$$

$M_{chem}$  Mass of a chemical removed (pounds)

$Q_{stp}$  Average SVE flow rate at standard temperature and pressure (scfm) [1]

$time$  Monthly run time (minutes) [2]

$C_{chem}$  Chemical concentration in parts per million by volume (ppmv) [3]

$D_{stp}$  Density of chemical vapor at standard temperature and pressure (STP)(pounds/cubic foot)

The total mass,  $M_{total}$  removed for all chemical constituents (excluding TNMOC) from the soil vapor is calculated by summing the individual chemical masses calculated from **Equation 1** as shown in **Equation 2** below:

$$M_{total} = \sum M_{chem} \quad \text{Equation 2}$$

The density of chemical vapors under actual conditions will be converted to standard conditions for use in **Equation 1**. The density under actual conditions is based on the ideal gas law and can be calculated as follows:

$$\frac{M}{V_{act}} = MW_{chem} \times \frac{P_{act}}{RT_{act}} = D_{act} \quad \text{Equation 3}$$

Where:

$M$  Mass of chemical vapor (lbm)

$V_{act}$  Unit volume at actual conditions ( $\text{ft}^3$ )

$MW_{chem}$  Molecular weight of chemical

$P_{act}$  Absolute actual pressure in SVE inlet conveyance pipe (atm)

$T_{act}$  Absolute actual temperature in SVE inlet conveyance pipe ( $^{\circ}\text{R}$ )

$R$  Universal gas constant ( $0.7302 \text{ ft}^3 \text{ atm/lb-mole } ^{\circ}\text{R}$ )

$D_{act}$  Density of chemical vapor at actual conditions (lbm/ $\text{ft}^3$ )

Conversion of density from actual to standard conditions is based on

*Boyle's Law and Charles' Law* as described in the following relationship:  $P_1 V_1 / T_1 = P_2 V_2 / T_2$

where  $P$  = pressure,  $V$  = volume,  $T$  = temperature, and subscripts 1 and 2 represent standard or actual conditions.

The calculation of density under standard conditions is shown in **Equation 4** below:

$$D_{stp} = \frac{M_{chem}}{V_{stp}} = \frac{M_{chem}}{V_{act} \times \left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} = \frac{D_{act}}{\left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} \quad \text{Equation 4}$$

Where:

$D_{stp}$  Density of chemical vapor at standard conditions ( $520^{\circ}\text{R}$  and 1 atm)

$V_{stp}$  Volume of chemical vapor at standard conditions ( $520^{\circ}\text{R}$  and 1 atm)

$V_{act}$  Unit volume of chemical vapor at actual conditions ( $T_{act}$  and  $P_{act}$ )

$P_{act}$  Absolute actual pressure in SVE inlet conveyance pipe (atm)

$T_{act}$  Absolute actual temperature in SVE inlet conveyance pipe ( $^{\circ}\text{R}$ )

$T_{stp}$  Standard temperature ( $520^{\circ}\text{F}$ )

$P_{stp}$  Standard pressure (1 atm)

Combining **Equations 1, 3, and 4** yields the following equation to calculate the removal rate for each contaminant.

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times \left[ \frac{MW_{chem} \times \frac{P_{act}}{RT_{act}}}{\left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} \right] \quad \text{Equation 5}$$

This equation can be modified as follows:

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times \left[ MW_{chem} \times \frac{P_{stp}}{RT_{stp}} \right] \quad \text{Equation 6}$$

[1] The inlet SVE flow rate (Q) is measured directly from the inlet thermal mass flow meter in standard cubic feet per minute (scfm) and recorded automatically every 10 minutes on the datalogger.

[2] The SVE system run time is measured directly from the electronic data recorded every 10 minutes on the datalogger.

[3] Concentration of chemical constituent or TNMOC in inlet soil vapor sample reported by analytical laboratory on a monthly basis.

**Table C-1**  
**Mass Removal Calculations January 2008 - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 2 - GENERAL PARAMETERS**

**Physical Properties**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 inches Hg
$P_g$	Vacuum pressure =	+ <u>-4.3</u> inches Hg
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	23.785 inches Hg or 0.7949266 atm
$T_{act}$	Temperature of vapor stream = 59°F =	518.5 °R
$T_{stp}$	Standard temperature = 60°F =	520 °R
$P_{stp}$	Standard pressure = 1 atm =	1 atm
$R$	Universal gas constant	0.7302 ft <sup>3</sup> atm/lb-mole °R

**Process Parameters**

$time$	total run time period for January <sup>2</sup>	39,420 minutes or	657 hours
$Q_{stp}$	average flow rate <sup>2</sup> at standard T and P (scfm)	407.5 scfm	

**STEP 3 - CALCULATIONS**

Substitute raw data into equations to calculate mass removals,  $M_{chem}$

**TO-15 VOC Constituent**

		<b>Molecular Weight</b>	<b>Lab Concentration</b>	<b>Mass</b>
B	Benzene	78.1 lb/lb-mole	190 ppmv	628 lbs
CT	Carbon Tetrachloride	153.8 lb/lb-mole	32 ppmv	208 lbs
CB	Chlorobenzene	112.6 lb/lb-mole	630 ppmv	3,001 lbs
CF	Chloroform	119.4 lb/lb-mole	59 ppmv	298 lbs

**TO-15 SVOC Constituent**

1,2-DCB	1,2-Dichlorobenzene	147.0 lb/lb-mole	27 ppmv	168 lbs
1,3-DCB	1,3-Dichlorobenzene	147.0 lb/lb-mole	< 5.8 ppmv	- lbs
1,4-DCB	1,4-Dichlorobenzene	147.0 lb/lb-mole	57 ppmv	354 lbs

**25C TNMOC**

TNMOC	In terms of Hexane	86.2 lb/lb-mole	800 ppmv	2,917 lbs
-------	--------------------	-----------------	----------	-----------

The total mass,  $M_{Total}$  removed is calculated from **Equation 2** at standard T and P:

$M_{total}$	<b>Sum of VOC constituents by USEPA Method TO-15</b>	<b>4,135 lbs</b>
$M_{total}$	<b>Sum of SVOC constituents by USEPA Method TO-15</b>	<b>522 lbs</b>
$M_{total}$	<b>Sum of VOC + SVOC constituents by USEPA Method TO-15</b>	<b>4,657 lbs</b>
$M_{total}$	<b>TNMOC by USEPA Method 25C as Hexane</b>	<b>2,917 lbs</b>

Notes

- <sup>1</sup> [www.engineeringtoolbox.com/air-altitude-pressure-25\\_462.html](http://www.engineeringtoolbox.com/air-altitude-pressure-25_462.html)
- <sup>2</sup> Total run time and average flow rate are from Tables 1 and A-4 in Appendix A
- atm = atmosphere
- ft<sup>3</sup> = cubic foot
- Hg = mercury
- lb/lb-mole = pounds per pound-mole
- lbm = pound-mass
- lbs = pounds
- °R = degrees Rankine
- P = pressure
- scfm = standard cubic feet per minute
- SVE = soil vapor extraction
- VOC = Volatile organic compounds (with vapor pressures above 1 millimeter of mercury at 20 degrees Centigrade).
- SVOC = Semivolatile organic compounds (with vapor pressures below 1 millimeter of mercury at 20 degrees Centigrade).
- T = temperature
- Temperature, pressure (vacuum), and flow rate were measured from TI-101, P1-101, and FI-101 (see Figure 4)
- TICs = Tentatively Identified Compounds
- TNMOC = Total non-methane organic carbon

**Table C-2**  
**Mass Removal Calculations February 2008 - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 1 - GENERAL EQUATIONS**

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times D_{stp} \quad \text{Equation 1}$$

Where:

- $M_{chem}$  Mass of a chemical removed (pounds)
- $Q_{stp}$  Average SVE flow rate at standard temperature and pressure (scfm) [1]
- $time$  Monthly run time (minutes) [2]
- $C_{chem}$  Chemical concentration in parts per million by volume (ppmv) [3]
- $D_{stp}$  Density of chemical vapor at standard temperature and pressure (stp)(pounds/cubic foot)

The total mass,  $M_{Total}$  removed for all chemical constituents (excluding TNMOC) from the soil vapor is calculated by summing the individual chemical masses calculated from **Equation 1** as shown in **Equation 2** below:

$$M_{total} = \sum M_{chem} \quad \text{Equation 2}$$

The density of chemical vapors under actual conditions will be converted to standard conditions for use in **Equation 1**. The density under actual conditions is based on the ideal gas law and can be calculated as follows:

$$\frac{M}{V_{act}} = MW_{chem} \times \frac{P_{act}}{RT_{act}} = D_{act} \quad \text{Equation 3}$$

Where:

- $M$  Mass of chemical vapor (lbm)
- $V_{act}$  Unit volume at actual conditions ( $\text{ft}^3$ )
- $MW_{chem}$  Molecular weight of chemical
- $P_{act}$  Absolute pressure at actual conditions in SVE inlet conveyance pipe (atm)
- $T_{act}$  Absolute temperature at actual conditions (degrees Rankine)
- $R$  Universal gas constant ( $0.7302 \text{ ft}^3 \text{ atm/lb-mole } ^\circ\text{R}$ )
- $D_{act}$  Density of chemical vapor at actual conditions ( $\text{lbm}/\text{ft}^3$ )

Conversion of density from actual to standard conditions is based on  
*Boyle's Law and Charles' Law* as described in the following relationship:  
where  $P$  = pressure,  $V$  = volume,  $T$  = temperature, and subscripts 1 and 2 represent standard or actual conditions.

The calculation of density under standard conditions is shown in **Equation 4** below:

$$D_{stp} = \frac{M_{chem}}{V_{stp}} = \frac{M_{chem}}{V_{act} \times \left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} = \frac{D_{act}}{\left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} \quad \text{Equation 4}$$

Where:

- $D_{stp}$  Density of chemical vapor at standard conditions ( $520^\circ\text{R}$  and 1 atm)
- $V_{stp}$  Volume of chemical vapor at standard conditions ( $520^\circ\text{R}$  and 1 atm)
- $V_{act}$  Unit volume of chemical vapor at actual conditions ( $T_{act}$  and  $P_{act}$ )
- $P_{act}$  Absolute actual pressure in SVE inlet conveyance pipe (atm)
- $T_{act}$  Absolute actual temperature in SVE inlet conveyance pipe ( $^\circ\text{R}$ )
- $T_{stp}$  Standard temperature ( $520^\circ\text{F}$ )
- $P_{stp}$  Standard pressure (1 atm)

Combining **Equations 1, 3, and 4** yields the following equation to calculate the removal rate for each contaminant.

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times \left[ \frac{MW_{chem} \times \frac{P_{act}}{RT_{act}}}{\left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} \right] \quad \text{Equation 5}$$

This equation can be modified as follows:

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times \left[ MW_{chem} \times \frac{P_{stp}}{RT_{stp}} \right] \quad \text{Equation 6}$$

[1] The inlet SVE flow rate ( $Q$ ) is measured directly from the inlet thermal mass flow meter in standard cubic feet per minute (scfm) and recorded automatically every 10 minutes on the datalogger.

[2] The SVE system run time is measured directly from the electronic data recorded every 10 minutes on the datalogger.

[3] Concentration of chemical constituent or TNMOC in inlet soil vapor sample reported by analytical laboratory on a monthly basis.

**Table C-2**  
**Mass Removal Calculations February 2008 - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 2 - GENERAL PARAMETERS**

Physical Properties

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 inches Hg
$P_g$	Vacuum pressure =	+ <u>-4.5 inches Hg</u>
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	23.585 inches Hg or 0.7882424 atm
$T_{act}$	Temperature of vapor stream = $68^{\circ}\text{F}$ =	$527.9^{\circ}\text{R}$
$T_{stp}$	Standard temperature = $60^{\circ}\text{F}$ =	$520^{\circ}\text{R}$
$P_{stp}$	Standard pressure = 1 atm =	1 atm
$R$	Universal gas constant	0.7302 $\text{ft}^3 \text{ atm/lb-mole } ^{\circ}\text{R}$

Process Parameters

$time$	total run time period for February <sup>2</sup>	30,730.2 minutes	512 hours
$Q_{stp}$	average flow rate <sup>2</sup> at standard T and P (scfm)	418.0 scfm	

**STEP 3 - CALCULATIONS**

Substitute raw data into equations to calculate mass removals,  $M_{chem}$

<i>TO-15 VOC Constituent</i>		<u>Molecular Weight</u>	<u>Lab Concentration</u>	<u>Mass</u>
B	Benzene	78.1 lb/lb-mole	227 ppmv	600 lbs
CT	Carbon Tetrachloride	153.8 lb/lb-mole	37 ppmv	193 lbs
CB	Chlorobenzene	112.6 lb/lb-mole	860 ppmv	3,276 lbs
CF	Chloroform	119.4 lb/lb-mole	69 ppmv	279 lbs
<i>TO-15 SVOC Constituent</i>				
1,2-DCB	1,2-Dichlorobenzene	147.0 lb/lb-mole	49 ppmv	241 lbs
1,3-DCB	1,3-Dichlorobenzene	147.0 lb/lb-mole	< 5.0 ppmv	- lbs
1,4-DCB	1,4-Dichlorobenzene	147.0 lb/lb-mole	97 ppmv	480 lbs
<i>25C TNMOC</i>				
TNMOC	In terms of Hexane	86.2 lb/lb-mole	1,090 ppmv	3,178 lbs

The total mass,  $M_{total}$  removed is calculated from **Equation 2** at standard T and P:

$M_{total}$	<b>Sum of VOC constituents by USEPA Method TO-15</b>	<b>4,348 lbs</b>
$M_{total}$	<b>Sum of SVOC constituents by USEPA Method TO-15</b>	<b>721 lbs</b>
$M_{total}$	<b>Sum of VOC + SVOC constituents by USEPA Method TO-15</b>	<b>5,069 lbs</b>
$M_{total}$	<b>TNMOC by USEPA Method 25C as Hexane</b>	<b>3,178 lbs</b>

Notes

<sup>1</sup> [www.engineeringtoolbox.com/air-altitude-pressure-25\\_462.html](http://www.engineeringtoolbox.com/air-altitude-pressure-25_462.html)

<sup>2</sup> Total run time and average flow rate are from Tables I and A-2 in Appendix A

atm = atmosphere

ft<sup>3</sup> = cubic foot

Hg = mercury

J = The amount reported is an estimated value because it is between the Reporting Limit (RL) and the Method Detection Limit (MDL)

lb/lb-mole = pounds per pound-mole

lbm = pound-mass

lbs = pounds

°R = degrees Rankine

P = pressure

scfm = standard cubic feet per minute

SVE = soil vapor extraction

VOC = Volatile organic compounds (with vapor pressures above 1 millimeter of mercury at 20 degrees Centigrade).

SVOC = Semivolatile organic compounds (with vapor pressures below 1 millimeter of mercury at 20 degrees Centigrade).

T = temperature

Temperature, pressure (vacuum), and flow rate were measured from TI-101, P1-101, and FI-101 (see Figure 4)

TICs = Tentatively Identified Compounds

TNMOC = Total non-methane organic carbon

Feb concentrations are average of inlet samples collected on 2-18 and 2-29

**Table C-3**  
**Mass Removal Calculations March 2008 - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 1 - GENERAL EQUATIONS**

Where:

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times D_{stp} \quad \text{Equation 1}$$

$M_{chem}$  Mass of a chemical removed (pounds)

$Q_{stp}$  Average SVE flow rate at standard temperature and pressure (scfm) [1]

$time$  Monthly run time (minutes) [2]

$C_{chem}$  Chemical concentration in parts per million by volume (ppmv) [3]

$D_{stp}$  Density of chemical vapor at standard temperature and pressure (STP)(pounds/cubic foot)

The total mass,  $M_{Total}$  removed for all chemical constituents (excluding TNMOC) from the soil vapor is calculated by summing the individual chemical masses calculated from **Equation 1** as shown in **Equation 2** below:

$$M_{total} = \sum M_{chem} \quad \text{Equation 2}$$

The density of chemical vapors under actual conditions will be converted to standard conditions for use in **Equation 1**.

The density under actual conditions is based on the ideal gas law and can be calculated as follows:

Where:

$$\frac{M}{V_{act}} = MW_{chem} \times \frac{P_{act}}{RT_{act}} = D_{act} \quad \text{Equation 3}$$

$M$  Mass of chemical vapor (lbm)

$V_{act}$  Unit volume at actual conditions ( $\text{ft}^3$ )

$MW_{chem}$  Molecular weight of chemical

$P_{act}$  Absolute pressure at actual conditions in SVE inlet conveyance pipe (atm)

$T_{act}$  Absolute temperature at actual conditions (degrees Rankine)

$R$  Universal gas constant ( $0.7302 \text{ ft}^3 \text{ atm/lb-mole } ^\circ\text{R}$ )

$D_{act}$  Density of chemical vapor at actual conditions (lbm/ $\text{ft}^3$ )

Conversion of density from actual to standard conditions is based on

*Boyle's Law* and *Charles' Law* as described in the following relationship:

$$P_1 V_1 / T_1 = P_2 V_2 / T_2$$

where  $P$  = pressure,  $V$  = volume,  $T$  = temperature, and subscripts 1 and 2 represent standard or actual conditions.

The calculation of density under standard conditions is shown in **Equation 4** below:

$$D_{stp} = \frac{M_{chem}}{V_{stp}} = \frac{M_{chem}}{V_{act} \times \left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} = \frac{D_{act}}{\left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} \quad \text{Equation 4}$$

Where:

$D_{stp}$  Density of chemical vapor at standard conditions ( $520^\circ\text{R}$  and 1 atm)

$V_{stp}$  Volume of chemical vapor at standard conditions ( $520^\circ\text{R}$  and 1 atm)

$V_{act}$  Unit volume of chemical vapor at actual conditions ( $T_{act}$  and  $P_{act}$ )

$P_{act}$  Absolute actual pressure in SVE inlet conveyance pipe (atm)

$T_{act}$  Absolute actual temperature in SVE inlet conveyance pipe ( $^\circ\text{R}$ )

$T_{stp}$  Standard temperature ( $520^\circ\text{F}$ )

$P_{stp}$  Standard pressure (1 atm)

Combining **Equations 1, 3, and 4** yields the following equation to calculate the removal rate for each contaminant.

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times \left[ \frac{MW_{chem} \times \frac{P_{act}}{RT_{act}}}{\left( \frac{P_{act}}{T_{act}} \right) \left( \frac{T_{stp}}{P_{stp}} \right)} \right] \quad \text{Equation 5}$$

This equation can be modified as follows:

$$M_{chem} = Q_{stp} \times time \times \frac{C_{chem}}{10^6} \times \left[ MW_{chem} \times \frac{P_{stp}}{RT_{stp}} \right] \quad \text{Equation 6}$$

[1] The inlet SVE flow rate ( $Q$ ) is measured directly from the inlet thermal mass flow meter in standard cubic feet per minute (scfm) and recorded automatically every 10 minutes on the datalogger.

[2] The SVE system run time is measured directly from the electronic data recorded every 10 minutes on the datalogger.

[3] Concentration of chemical constituent or TNMOC in inlet soil vapor sample reported by analytical laboratory on a monthly basis.

**Table C-3**  
**Mass Removal Calculations March 2008 - First Quarter 2008**  
**SVE Remedial Action**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 2 - GENERAL PARAMETERS**

**Physical Properties**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 inches Hg
$P_g$	Vacuum pressure =	-4.3 inches Hg
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	23.785 inches Hg or 0.7949266 atm
$T_{act}$	Temperature of vapor stream = 75°F =	535.4 °R
$T_{stp}$	Standard temperature = 60°F =	520 °R
$P_{stp}$	Standard pressure = 1 atm =	1 atm
$R$	Universal gas constant	0.7302 ft <sup>3</sup> atm/lb-mole °R

**Process Parameters**

$time$	total run time period for March <sup>2</sup>	37,230 minutes or	621 hours
$Q_{stp}$	average flow rate <sup>2</sup> at standard T and P (scfm)	396.4 scfm	

**STEP 3 - CALCULATIONS**

Substitute raw data into equations to calculate mass removals,  $M_{chem}$

<u>TO-15 VOC Constituent</u>		<u>Molecular Weight</u>	<u>Lab Concentration</u>	<u>Mass</u>
B	Benzene	78.1 lb/lb-mole	280 ppmv	850 lbs
CT	Carbon Tetrachloride	153.8 lb/lb-mole	46 ppmv	275 lbs
CB	Chlorobenzene	112.6 lb/lb-mole	1,100 ppmv	4,814 lbs
CF	Chloroform	119.4 lb/lb-mole	86 ppmv	399 lbs
<u>TO-15 SVOC Constituent</u>				
1,2-DCB	1,2-Dichlorobenzene	147.0 lb/lb-mole	53 ppmv	303 lbs
1,3-DCB	1,3-Dichlorobenzene	147.0 lb/lb-mole	< 6.5 ppmv	- lbs
1,4-DCB	1,4-Dichlorobenzene	147.0 lb/lb-mole	110 ppmv	629 lbs
<u>25C TNMOC</u>				
TNMOC	In terms of Hexane	86.2 lb/lb-mole	1,400 ppmv	4,690 lbs

The total mass,  $M_{total}$  removed is calculated from **Equation 2** at standard T and P:

$M_{total}$	<b>Sum of VOC constituents by USEPA Method TO-15</b>	<b>6,338 lbs</b>
$M_{total}$	<b>Sum of SVOC constituents by USEPA Method TO-15</b>	<b>932 lbs</b>
$M_{total}$	<b>Sum of VOC + SVOC constituents by USEPA Method TO-15</b>	<b>7,270 lbs</b>
$M_{total}$	<b>TNMOC by USEPA Method 25C as Hexane</b>	<b>4,690 lbs</b>

**Notes**

- <sup>1</sup> [www.engineeringtoolbox.com/air-altitude-pressure-25\\_462.html](http://www.engineeringtoolbox.com/air-altitude-pressure-25_462.html)
- <sup>2</sup> Total run time and average flow rate are from Tables 1 and A-3 in Appendix A
- atm = atmosphere
- E = Compound exceeds the calibration range and is an estimated value
- ft<sup>3</sup> = cubic foot
- Hg = mercury
- lb/lb-mole = pounds per pound-mole
- lbm = pound-mass
- lbs = pounds
- °R = degrees Rankine
- P = pressure
- scfm = standard cubic feet per minute
- SVE = soil vapor extraction
- VOC = Volatile organic compounds (with vapor pressures above 1 millimeter of mercury at 20 degrees Centigrade).
- SVOC = Semivolatile organic compounds (with vapor pressures below 1 millimeter of mercury at 20 degrees Centigrade).
- T = temperature
- Temperature, pressure (vacuum), and flow rate were measured from TI-101, P1-101, and FI-101 (see Figure 4)
- TICs = Tentatively Identified Compounds
- TNMOC = Total non-methane organic carbon

**Table C-4**  
**Soil Vapor Flow Rate Calculations from Extraction Wells - SVE Remedial Action**  
**First Quarter 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 1 - GENERAL EQUATIONS**

$$Q_{act} = A_c \times v \quad \text{Equation 1}$$

Where:

$Q_{act}$	Flow rate at actual temperature and pressure (cfm)
$A_c$	Cross-sectional area of 6-inch schedule 40 pipe = 0.2006 ft <sup>2</sup>
v	Velocity of vapor measured in feet per minute (ft/min) by a hand held anemometer [1]

The flow rate is converted to scfm from actual using **Equation 2** that was derived from the ideal gas law, *Boyle's Law* and *Charles' Law* as described in the following relationship:  $P_1 V_1 / T_1 = P_2 V_2 / T_2$  where  $P$  = pressure,  $V$  = volume,  $T$  = temperature, and subscripts 1 and 2 represent standard or actual conditions.

$$Q_{std} = Q_{act} \frac{P_{act} T_{std}}{P_{std} T_{act}} \quad \text{Equation 2}$$

$Q_{std}$	Flow rate at standard T and P conditions (scfm)
$P_{act}$	Absolute actual pressure in SVE inlet conveyance pipe (atm)
$T_{act}$	Absolute temperature at actual conditions (°R)
$P_{std}$	Standard pressure (1 atm)
$T_{std}$	Standard temperature (520°F)

**STEP 2 - GENERAL PARAMETERS**

**Physical Properties**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$T_{stp}$	Standard temperature = 60°F =	520 °R
$P_{stp}$	Standard Pressure = 1 atm =	1 atm
$A_c$	Cross-sectional area of 6-inch schedule 40 pipe =	0.2006 ft <sup>2</sup>

**VIEW 1**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ -2.5 inches Hg or
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	25.585 inches Hg or 0.855085 atm
$T_{act}$	Temperature of vapor stream = 74°F =	534 °R
v	Soil vapor velocity from well at ft/min =	0 ft/min

**VIEW 2**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ -4.0 inches Hg or
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	24.1 inches Hg or 0.804953 atm
$T_{act}$	Temperature of vapor stream = 71°F =	531 °R
v	Soil vapor velocity from well at ft/min =	510 ft/min

**VIEW 3**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ -4.0 inches Hg or
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	24.085 inches Hg or 0.804953 atm
$T_{act}$	Temperature of vapor stream = 72°F =	532 °R
v	Soil vapor velocity from well at ft/min =	520 ft/min

**VIEW 4**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ -4.0 inches Hg or
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	24.085 inches Hg or 0.804953 atm
$T_{act}$	Temperature of vapor stream = 67°F =	527 °R
v	Soil vapor velocity from well at ft/min =	285 ft/min

**VIEW 4S**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ -2.5 inches Hg or
$P_{act}$	Absolute pressure = $P_{atm} + P_g$ =	25.6 inches Hg or 0.855085 atm
$T_{act}$	Temperature of vapor stream = 69°F =	529 °R
v	Soil vapor velocity from well at ft/min =	0 ft/min

**Table C-4**  
**Soil Vapor Flow Rate Calculations from Extraction Wells - SVE Remedial Action**  
**First Quarter 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

**VEW 5**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ <u>-4.3 inches Hg or</u>
$P_{act}$	Absolute pressure = $P_{atm} + Pg$ =	23.8 inches Hg or 0.796598 atm
$T_{act}$	Temperature of vapor stream = 69°F =	529 °R
v	Soil vapor velocity from well at ft/min =	330 ft/min

**VEW 6**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ <u>-4.3 inches Hg or</u>
$P_{act}$	Absolute pressure = $P_{atm} + Pg$ =	23.835 inches Hg or 0.796598 atm
$T_{act}$	Temperature of vapor stream = 70°F =	530 °R
v	Soil vapor velocity from well at ft/min =	930 ft/min

**VEW 7**

$P_{atm}$	Atmospheric pressure at 1,800 ft elevation <sup>1</sup> =	28.085 in Hg
$P_g$	Vacuum Pressure =	+ <u>-2.5 inches Hg or</u>
$P_{act}$	Absolute pressure = $P_{atm} + Pg$ =	25.6 inches Hg or 0.855085 atm
$T_{act}$	Temperature of vapor stream = 72°F =	532 °R
v	Soil vapor velocity from well at ft/min =	0 ft/min

**Table C-4**  
**Soil Vapor Flow Rate Calculations from Extraction Wells - SVE Remedial Action**  
**First Quarter 2008**  
**Montrose Chemical Corporation, Henderson, Nevada**

**STEP 3 - CALCULATIONS**

Substitute data into **Equations 1 and 2** to calculate  $Q_{act}$  and  $Q_{std}$

			<u>Percent of Total Flow</u>
	<b>VEW 1<sup>2</sup></b>		
$Q_{act}$	<b>0.0</b>	cfm	
$Q_{std}$	<b>0.0</b>	scfm	0.0%
	<b>VEW 2</b>		
$Q_{act}$	<b>102.3</b>	cfm	
$Q_{std}$	<b>80.6</b>	scfm	19.9%
	<b>VEW 3</b>		
$Q_{act}$	<b>104.3</b>	cfm	
$Q_{std}$	<b>82.1</b>	scfm	20.2%
	<b>VEW 4</b>		
$Q_{act}$	<b>57.2</b>	cfm	
$Q_{std}$	<b>45.4</b>	scfm	11.2%
	<b>VEW 4S</b>		
$Q_{act}$	<b>0.0</b>	cfm	
$Q_{std}$	<b>0.0</b>	scfm	0.0%
	<b>VEW 5</b>		
$Q_{act}$	<b>66.2</b>	cfm	
$Q_{std}$	<b>51.8</b>	scfm	12.8%
	<b>VEW 6</b>		
$Q_{act}$	<b>186.6</b>	cfm	
$Q_{std}$	<b>145.8</b>	scfm	35.9%
	<b>VEW 7</b>		
$Q_{act}$	<b>0.0</b>	cfm	
$Q_{std}$	<b>0.0</b>	scfm	0.0%
<b>Total <math>Q_{std}</math></b>	<b>405.8</b>	scfm	100.0%

Notes

[1] Velocity of soil vapor from extraction well was measured with a TSI, Inc. velocity meter

<sup>1</sup> [www.engineeringtoolbox.com/air-altitude-pressure-25\\_462.html](http://www.engineeringtoolbox.com/air-altitude-pressure-25_462.html)

<sup>2</sup> VEW-1 flowing on day of quarterly sampling, but this well is typically closed during routine SVE operations due to low concentrations

cfm = cubic feet per minute

Hg = mercury

<sup>a</sup>R = degrees Rankine

scfm = standard cubic feet per minute

stp = standard temperature and pressure

